INTERIM REMEDIAL ACTION REPORT – DEMOLITION AND ASBESTOS ABATEMENT

REMEDIAL ACTION CONTRACT 2 FOR REMEDIAL, ENFORCEMENT OVERSIGHT, AND NON-TIME CRITICAL REMOVAL ACTIVITIES IN REGION 5

OMC PLANT 2 SITE WAUKEGAN, LAKE COUNTY, ILLINOIS

Prepared for United States Environmental Protection Agency Region 5 77 West Jackson Boulevard Chicago, IL 60604

Date Submitted: August 2, 2011

US EPA Region: 5

Work Assignment No: 167-RARA-0528

Contract No: EP-S5-06-02 Prepared by: SulTRAC

SulTRAC Project Manager: Tom Hahne

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US EPA RECORDS CENTER REGION 5



August 2, 2011

Mr. Kevin Adler Project Manager U.S. Environmental Protection Agency (EPA) Region 5 77 W. Jackson Blvd. Chicago, Illinois 60604

Subject: Interim Remedial Action Report - Demolition and Asbestos Abatement

Outboard Marine Corporation (OMC), Plant 2 Site

Waukegan, Lake County, Illinois

Remedial Action Contract (RAC) 2 EP-S5-06-02

Work Assignment No. 167-RARA-0528

Dear Mr. Adler:

SulTRAC is enclosing a copy of the above-referenced plan for your review. Copies have also been forwarded to CH2M Hill and the Illinois Environmental Protection Agency (IEPA) as requested.

If you have any questions, please call me at (312) 201-7474.

Sincerely,

Tom Hahne Project Manager

Enclosure

cc: Thomas Harrison, EPA Contracting Officer (letter only)

Mindy Gould, SulTRAC Program Manager (letter only)

Erin Rednour, IEPA (2 copies) Jewelle Keiser, CH2M Hill (1 copy)

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Appendix C	Materials Characterization Report (CD)
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1.0 INTRODUCTION

SulTRAC has prepared this Interim Remedial Action Asbestos Abatement and Demolition Summary Report (AADSR) for the Outboard Marine Corporation (OMC) Plant 2 site (Site) in Waukegan, Lake County, Illinois, under the U.S. Environmental Protection Agency (EPA) Remedial Action Contract (RAC) II for Region 5, Contract No. EP-S5-06-02, Work Assignment (WA) Number 167-RARA-0528. The EPA scope of work for OMC requires a final remedial action report, completed in accordance with requirements specified in EPA Publication No. 9320.2-22(Closeout Procedures for National Priority List Sites). This interim remedial action report is provided to partially fulfill this requirement.

The purpose of this WA is to implement the remedial action (RA) in accordance with the objectives of the remedial design (RD). The statement of work (SOW) for the work assignment includes the RA for the Plant 2 site, which is Operable Unit (OU) 4 of the OMC Superfund site. The RA includes asbestos abatement, building demolition, building slab removal, sub-slab removal, soil remediation, and sediment remediation of the North Ditch and the South Ditch. The RA was divided into two phases: Phase I included asbestos abatement and building demolition. Phase II includes building slab removal, subslab fill removal, and soil removal from the Plant 2 area and 13 outlying remediation areas. In addition, Phase II includes sediment remediation of the North Ditch and South Ditch.

This AADSR describes Phase 1 of the RA (demolition activities). The demolition activities focused on the Plant 2 building, including all remaining buildings on the site except the remaining Triax Building (and the adjacent Trim Building Slab), which has been used for groundwater remediation activities associated with the nearby Waukegan Coke Plant cleanup. Use of the Triax Building and Trim Building Slab will continue as part of the Waukegan Harbor Sediment cleanup. All Plant 2 demolition activities have been completed including abatement of asbestos containing material and demolition of the building structures above the slab.

1.1 SITE LOCATION AND HISTORY

The OMC Plant 2 site is located at 90 East Sea Horse Drive in Waukegan, Illinois, about 40 miles north of Chicago. The OMC Plant 2 site is the fourth of four OUs on the OMC National Priorities List (NPL) site, which also includes the Waukegan Harbor site (OU 1), the Waukegan Manufactured Gas and Coke Plant ("Waukegan Coke Plant") site (OU 2), the polychlorinated biphenyl (PCB) Containment Cells (OU 3), and the OMC Plant 2 (OU-4). Figure 1 shows the location of OMC Plant 2.

The OMC Plant 2 site is a 60-acre lakefront parcel that formerly contained an abandoned 1,060,000-square-foot (sq ft) industrial facility in which OMC made outboard motors from about 1948 until 2000. The facility was divided into an older plant and newer plant. The older plant, consisting of about 620,000 sq ft is the subject of this removal action; the new plant was demolished by the City of Waukegan.

OMC was the world's largest manufacturer and supplier of outboard motors and second largest producer of powerboats. OMC declared bankruptcy in December 2000 and ceased all manufacturing operations in August 2001. The Former Plant 2 site is now owned by the City of Waukegan. EPA began a remedial investigation (RI) at the OMC Plant 2 site in 2004 to determine the nature and extent of contamination in site groundwater, sediment, and soil, and within the OMC Plant 2 building. EPA issued the Remedial Investigation Report (for) OMC Plant 2 containing the study results and a human health and ecological risk assessment in April 2006 (CH2M Hill 2006a). EPA began a feasibility study (FS) in 2005 to examine site cleanup alternatives designed to protect human health and the environment, and issued the Feasibility Study Report (for) OMC Plant 2 in December 2006 (CH2M Hill 2006b). EPA issued a Record of Decision (ROD) for the cleanup of soil and building media in September 2007 (EPA 2006. CH2M Hill prepared a Basis of Design in June 2008 that described the remedial objectives and remedial measures to address soil, sediment, and building media (CH2M Hill 2008). CH2M Hill prepared an addendum to the Basis of Design for remediation of soil, sediment, and building media in November 2009 (CH2M Hill 2009). The remediation activities described in this report were conducted in accordance with the ROD, Basis of Design, and addendum to the Basis of Design. Figure 2 shows the OMC Plant 2 building layout.

1.2 CONTAMINANTS

The OMC facility used PCB-containing hydraulic and lubricating oils in its production lines beginning in 1961 until 1972, and routinely discharged some of the fluids via sewer lines into Waukegan Harbor, thereby becoming the source of very high-level PCB contamination in harbor sediment. OMC also operated several vapor degreasers at the OMC Plant 2 facility to clean newly made parts with trichloroethene (TCE). Leaking degreasers and/or TCE storage tanks over the years created a TCE groundwater contaminant plume and a dense, non-aqueous phase liquid (DNAPL) beneath the OMC Plant 2 site.

During the RI, many interior surfaces within the 620,000 sq ft of building space of the OMC Plant 2 building was found to be contaminated with PCBs. Concrete floors, abandoned machinery, and porous

and nonporous wall and ceiling surfaces showed levels of PCBs from nondetect (ND) to 750 micrograms per 100 square centimeter ($\mu g/100 \text{ cm}^2$). A portion of the building space thus had PCB levels well above the Toxic Substance Control Act (TSCA) cleanup level [761.61 (a) (4) (iii)] screening criterion of $10 \mu g/100 \text{ cm}^2$.

Other contaminants identified during the RI in building components included lead based paint on metal and other building surfaces, and asbestos containing building materials (ACBM). Universal wastes identified in the building included fluorescent light tubes, other light tubes, ballasts, and mercury switches.

As part of the remedial design, Environmental Design International Inc. (EDI) was contracted to conduct an asbestos and lead survey. This survey identified and quantified asbestos containing materials (ACM) and lead-based paints (LBP) that could be impacted during demolition of the building and recycling of building materials and machinery. Transite containing panels (classified as Category II Non-Friable Asbestos) were also identified in and on the exterior of the building as part of this study.

1.3 REMEDY COMPONENTS

Pre-demolition and demolition activities for Phase I of the RA began in December 2009. These included mobilization of equipment to the site, setup of trailers, repair of fencing, hookup of electrical utilities, and other activities related to site mobilization.

Asbestos abatement activities, beginning in February 2010 and completed by May 13, 2010, were conducted by Tecnica Environmental Services (TES), with third-party air monitoring and oversight by Environmental Analysis Inc. (EAI). Reports documenting these activities are included as Appendix D.

Air monitoring stations were established on the site perimeter prior to initiation of demolition activities.

The air monitoring stations were operated to collect time-integrated samples of total suspended particulates using PM-10 air samplers one day per week during dry or dusty conditions. These samplers were operated for the duration of the demolition activities.

Building demolition by Brandenburg Industrial Services Company (BISCO) began in May 2010 and was substantively completed by July 2010, except for the Hazardous Materials Storage (HMS) building, which would be demolished in March and April 2011. Building demolition included characterization of waste materials, removal of universal wastes, recycling of structural steel and other lightly contaminated

equipment, removal of contaminated equipment, and demolition and disposal of non-recyclable building components.

2.0 CHRONOLOGY OF EVENTS

This section provides a chronology of the remediation activities, which included pre-demolition and demolition activities.

2.1 PRE-DEMOLITION ACTIVITIES

Pre-demolition activities included:

- Setup of support facilities was completed, which included three construction trailers located near
 the south entrance of the site, north of Seahorse Drive. Two trailers were also equipped as offices
 with associated services, including a printer/copier and computer. This work was initiated in
 December 2009.
- Establishment of site security was accomplished by repairing the site fence, establishing secure
 site entrances, and hiring security personnel who would function 24 hours per day, 7 days per
 week. Onsite security was established in January 2010.
- Installation of a silt fence at the perimeter of the site to control potential runoff of surface water and sediment to nearby water bodies was completed in March 2010.
- A universal waste survey and removal of all universal waste—including fluorescent light bulbs, mercury meters, and other miscellaneous lighting and electrical components was completed in March 2010. Universal waste was sampled for PCBs, was found to be non-TSCA waste, and then was transported offsite for disposal/recycling at Fluorecycle in Ingleside, Illinois.
 Laboratory data are provided in Appendix A. Waste manifests are provided in Appendix B. The universal waste survey was completed in March 2010.
- Comprehensive sampling of building materials by BISCO took place prior to demolition activities
 in order to determine dispositions of building materials. This included bulk sampling of porous
 and soft media (such as concrete, wallboard, wood, brick, and roofing material) and swipe testing
 of hard surfaces (such as metal and glass). The sampling data report is provided in Appendix C.
 - Based on this sampling, porous/soft media were characterized as TSCA- or PCB-contaminated for offsite disposal. Hard materials were classified as recyclable, PCB articles, or TSCA waste. Waste profiles were then obtained for the receiving/disposal facilities or recycling facilities. The building materials sampling was completed in March 2010.
- Prior to the initiation of asbestos abatement, cleanup of floor surfaces to remove potential leadcontaining debris was conducted in areas of identified lead-painted surfaces. This activity was completed in March 2010.

- Prior to demolition, asbestos abatement that included removal of ACM in the western portion of the building, which had exhibited a TSCA characteristic for PCBs was completed. This material was removed from the site and disposed of as TSCA waste. Asbestos abatement occurred throughout the building interior in negative air containment systems through March and April 2010. Air monitoring was conducted outside of removal areas, and clearance samples were collected prior to removal of containment systems. This included removals of friable ACM (such as thermal insulation), floor tile and mastic, and other friable and non-friable components such as gaskets and laboratory tables. Additional abatement activities on the building exterior or roof addressed transite panels adhering to the building roofing material, as well as window glazing, caulk, and other identified building materials. This activity was completed in May 2010.
- Removal of non-adhered LBP from structural steel in May 2:010, was completed prior to removal
 of recyclable structural steel.

2.2 BUILDING DEMOLITION

Building demolition activities included removals of equipment, interior walls, and debris, followed by removal of structural steel and fixed building components. Large trackhoe-mounted shears and modified bobcats or front end loaders were used to collapse building structures. After building components were collapsed, they were sorted and segregated by material type for disposal or recycling. Areas containing TSCA waste were demolished first, followed by areas with less contamination. Demolition generated PCB-contaminated debris, PCB article waste, TSCA waste, and recyclable metal. This work was initiated in May 2010 and was substantively completed by July 2010.

The Hazardous Materials Storage (HMS) building was left intact for use during the RA as a storage and equipment maintenance area until early 2011. The building was demolished in April 2011. Materials were disposed of as PCB-contaminated debris, or were sorted and salvaged as recyclable metal.

3.0 PERFORMANCE STANDARDS AND CONSTRUCTION QUALITY CONTROL

The performance standards and construction quality control measures included an evaluation of compliance with the bid specifications and design documents. Activities were evaluated as required to ensure that removal objectives had been achieved, that waste materials had been properly characterized prior to abatement/demolition, and that proper disposal or recycling of waste generated by remediation activities had occurred.

Asbestos abatement activities were performed in accordance with a National Emission Standards for Hazardous Air Pollutants (NESHAPS) permit by TES, a licensed and bonded asbestos abatement contractor and minority business enterprise (MBE). EAI provided third-party air monitoring and clearance sampling to ensure that identified materials were removed, that air containment systems were adequately maintained, and that the air quality was not adversely affected by removal actions. An asbestos abatement report and an asbestos air monitoring report are provided in Appendix D. Prior to removal of any containment structure, clearance samples were collected and analyzed for asbestos fibers to ensure that the material met cleanup objectives. SulTRAC's resident engineer also worked with EAI to confirm asbestos location/quantities prior to removal, and inspected each abatement area after completion of removal to verify abatement of ACM in that area.

BISCO employed bulk sampling and wipe sampling techniques to determine concentrations of PCBs in building components. Over 1,000 samples were collected by BISCO and analyzed by Microbac for PCBs using procedures described in the Field Sampling Plan. Data generated from this sampling and analysis effort are included in Appendix C. These data were validated for use for waste characterization.

Air monitoring was conducted at the site perimeter during demolition activities to ensure compliance with National Ambient Air Quality Standards (NAAQS). Samples were collected in accordance with the approved quality assurance project plan (QAPP) using particulate matter (PM)-10 samplers. Air flow was calibrated and data were summarized in field logbooks, with recordings of start and end times and start and end air flows as verified by calibration. Samples were analyzed by STAT Analysis Corporation for PM 10. SulTRAC evaluated data packages and found that the data were acceptable for use. Laboratory data packages for air samples are provided in Appendix E, along with a summary table presenting an analysis of results. Results indicate that NESHAP's fence line objectives were achieved during demolition activities.

Health and safety monitoring occurred during demolition activities. A field dust monitor was used to compare respirable dust concentrations with site-specific exposure limits. When in use, the aerosol monitor was calibrated daily. BISCO also conducted field monitoring using personal samplers during demolition activities to evaluate concentrations of PCBs and toxic metals in the breathing zone.

Daily field reports documented each day's activities. Weekly status meetings evaluated work progress and identified any safety or work concerns. Daily field reports are provided in Appendix F. Photographs were taken to document all phases of remediation activity and the photographic log is provided as Appendix G.

4.0 CONSTRUCTION ACTIVITIES

Construction activities included three main components: (1) materials characterization prior to abatement and demolition, (2) asbestos abatement, and (3) building demolition. In addition, air monitoring was performed during demolition activities. This section discusses these components of the remedy in detail.

4.1 MATERIALS CHARACTERIZATION

Comprehensive sampling was conducted prior to initiating asbestos abatement or building demolition.

The purpose of this sampling was to determine concentrations of PCBs in building materials, including ACBM, in order to determine appropriate reuse or disposal requirements.

The site was divided into operating areas for sampling in accordance with designations on Figure 4 of the CH2M Hill Remedial Design. These included:

- Old Diecast Building (ODC)
- New Diecast Building (NDC)
- Tool Room Addition (TR)
- Design Shop (DS)
- Phase I Addition (P1)
- Phase 2 Addition (P2)
- Phase 3 Addition (P3)
- Phase 4 Addition (P4)
- Hazardous Materials Storage (HMS).

Samples were collected from hard materials, soft materials, and equipment in each area. Samples from hard surfaces were collected using swipe sampling. Samples from soft surfaces (including concrete and brick) were sampled by coring. Roofing materials were sampled by coring, as these included predominantly soft material (foam insulation), and by treating the entire roof as a structure separate from the designated areas listed above. Finally, bulk sampling for asbestos occurred throughout the building to determine whether materials should be managed as PCB-contaminated or as TSCA waste. Over 1,000 samples were collected by BISCO in accordance with an approved sampling plan and QAPP; the samples were analyzed by Microbac Corporation for PCBs. The summary tables in Appendix C summarize the types and numbers of samples.

The asbestos sampling was used to determine how to manage asbestos waste during abatement. Because all abatement was conducted prior to demolition, results of this sampling were not incorporated into the materials characterization plan.

Figures 3, 4, and 5 show summarized results from sampling building materials for PCBs.

The building materials were then evaluated for management by recycling or disposal. Recycling options were limited to metal containing less than $100 \, \mu g/100 \, cm^2$ PCBs. This included two categories of metal recycling: material with less than $10 \, \mu g/100 \, cm^2$ PCBs, which could be managed as PCB-contaminated, and metal with between $10 \, and \, 100 \, \mu g/cm^2$ PCBs, which could be managed as a PCB article. Metal containing greater than $100 \, \mu g/cm^2$ PCBs could be managed as a TSCA waste only. Hard, non-metal materials containing more than $10 \, and$ less than $100 \, \mu g/cm^2$ PCBs were also managed as a PCB article, and hard non-metal materials with greater than $100 \, \mu g/cm^2$ PCBs were designated as TSCA waste.

All other materials were managed as PCB-contaminated demolition debris or TSCA waste. For soft materials (which included porous materials such as concrete, wood, brick, plastic, drywall, and other materials), any material with more than 50 milligrams per kilogram (mg/kg) PCBs was designated for TSCA disposal, and less-contaminated material was designated as PCB-contaminated for disposal.

4.2 ASBESTOS ABATEMENT

Asbestos abatement activities were conducted by TES, a licensed abatement and special waste hauler in Illinois. EAI conducted air monitoring during work, clearance sampling after completion of work within containment structures, and continuous oversight of abatement activities (including monitoring negative air pressure within containment structures). Documentation provided by TES and EAI is provided in Appendix D.

Asbestos abatement began in March 2010 and was completed in May 2010. Abatement started in the areas containing TSCA material (the ODC Area) within the building, and then proceeded generally from west to east within the building. In each removal area, a containment structure was first erected prior to removal. A pre-removal inspection was conducted by SulTRAC and an EAI representative to confirm removal items and quantities. Removal was conducted within the structure by certified asbestos workers who would remove asbestos under wetted conditions and place waste in sealed bags. Bags were then placed in a covered roll-off for removal and offsite disposal. After completion of removal within each structure and reception of results of clearance sampling, the area was inspected by the SulTRAC resident engineer and EAI representative to confirm that all asbestos materials had been removed.

Following abatement of the interior portions of the building, abatement proceeded to the exterior components of the building—largely involving removals of windows containing ACM caulk and glazing, caulk on other building components (such as doors and foundation seals), and transite panels. This abatement of non-friable materials was conducted without containment but under wet conditions. Removed components were placed on plastic surfaces and wrapped and sealed before they were placed in roll-offs for removal from the site and disposal.

Materials that were abated in accordance with the remedial design specifications included:

- · Thermal insulation on piping, ductwork, and pipe elbows
- · Transite panels
- Lab table tops
- · Floor tile and mastic
- Storage tank/boiler insulation
- · Wrap on air handling units
- Gaskets

- · Caulk and glazing
- Fire doors
- Flashing
- Miscellaneous debris.

Table 1 compares the quantities of each type of material removed with the original subcontract estimates. For some types of material, the quantities removed varied considerably from those estimates. This may have been a consequence of inability to adequately inspect all areas because of limited accessibility. However, the total cost of removal closely conformed to the subcontract bid estimate because quantities of some materials removed were lower than originally estimated.

Disposal of ACM proceeded according to characterizations of the ACM as TSCA, PCB containing, or standard ACM.

Approximately 26 tons of TSCA ACM waste was generated at the site between March 11 and May 17, 2010, transported off site, and disposed of as a mixed asbestos/TSCA waste at Heritage Environmental Services secure landfill in Roachdale, Indiana.

A total of 58 loads of non-TSCA asbestos wastes were transported from the site between March 29 and May 24, 2010. Twenty loads were disposed of as ACM at River Prairie Bend Landfill, and 38 loads were disposed of as a PCB article at Waste Management's Countryside Landfill.

Manifest information is provided in Appendix B. Trucking logs are provided in Appendix H.

TABLE 1 - ASBESTOS ABATEMENT MATERIALS AND QUANTITIES

Asbestos Item	Units	Bid Quantities	Verified Removal Quantities
Remove and Dispose of Asbestos Floor Tile and Mastic	SF	34,600	24,611
Remove and Dispose of Lab Table Tops	SF	5	500
Remove and Dispose of Asbestos Transite Panels (Interior and Exterior)	SF	136,476	96,665
Remove and Dispose of Asbestos Electrical Box Transite Panels	EA	150	0
Remove and Dispose of Asbestos Hard Fittings on Pipes (3", 4", 6")	EA	1,000	1,596
Remove and Dispose of Asbestos Hard Fittings on Pipes (8" and 10")	EA	220	1,001
Remove and Dispose of Asbestos Hard Fittings on Pipes (12" and 16")	EA	100	418
Remove and Dispose of Asbestos Pipe TSI (3" and 4")	LF	10,000	13,528
Remove and Dispose of Asbestos Pipe TSI (6")	LF	5,000	6.272
Remove and Dispose of Asbestos Pipe TSI (8" or 10")	LF	8,000	9,948
Remove and Dispose of Asbestos Pipe TSI (12" or 16")	LF	7,000	6,188
Remove and Dispose of Boiler Pipe (18")	LF	60	878
Remove and Dispose of Asbestos Storage Tank TSI	SF	500	3,304
Remove and Dispose of Asbestos Canvas Wrap on AHUs and Ductwork TSI	SF	10,300	7345
Remove and Dispose of Asbestos Door Gaskets	LF	336	36
Remove and Dispose of Asbestos Exterior Caulk and Glazing	LF	98,110	75699
Remove and Dispose of Asbestos Concrete Expansion Joints	LF	1,150	490
Remove and Dispose of Asbestos Tank Gaskets	EA	25	47
Remove and Dispose of Asbestos Heating Unit Insulation	SF	1,200	1,323
Remove and Dispose of Asbestos Insulated Doors	EA	100	21
Remove and Dispose of Asbestos Roof Flashing	LF	225	470
Remove and Dispose of Green Debris	LF	25	25

Notes:

AHU Air Handling Unit

EA Each LF Linear feet SF Square feet

TSE Thermal system insulation

' Inches

4.3 DEMOLITION

Demolition activities began in May 2010 and were completed in April 2011. Prior to initiation of demolition activities, universal waste was removed from the building.

Some pre-demolition activities were conducted to support asbestos abatement activities and to ensure safety during demolition; these included waste characterization, establishment of 24-hour site security, repair of the site fence, and installation of a silt fence to control and filter surface water runoff.

A mercury release was noted on March 1, 2010, when a small amount of liquid mercury was observed on the floor in Room 15 during preparation for ACM abatement. The area was segregated and sealed to eliminate potential exposure to site personnel. On April 5, 2010, BISCO abated the liquid mercury using a Mercury Spill Kit. BISCO then verified abatement of mercury in that area by sampling for mercury vapor using Draeger tubes; samples in both tubes were non-detect for mercury.

Universal waste included primarily fluorescent overhead lighting fixtures and ballasts containing mercury vapor and PCBs, lead and other metal-containing batteries, and mercury switches. Non-recyclable materials were consolidated and analyzed for PCBs before undergoing removal and offsite disposal and/or recycling at Fiftyrecycle in Ingleside, Illinois.

BISCO evaluated decontamination procedures for cleaning painted metal surfaces or surfaces contaminated with PCBs exceeding a concentration of 10 μg/100 cm². Methods evaluated included sandblasting and spraying with chemical solvents. Costs of decontamination were evaluated and determined to be higher than the costs of managing the material as a PCB article or TSCA waste, with likelihood of decontamination success uncertain. As a result, SulTRAC and BISCO agreed to proceed with demolition and salvage without decontaminating materials containing PCBs. However, to allow for more cost-effective materials management, recycling painted steel that contained less than 10 μg/100 cm² of PCBs was found to be cost effective; likewise managing hard materials as a PCB article (with PCB levels exceeding 10 μg/100 cm² but less than 100 μg/100 cm²) was determined to be cost effective. These decisions led to reduced costs, based on the design quantities.

Areas identified to contain LBP in the CH2M Hill design were located, and loose paint was removed mechanically or by vacuuming in the designated areas. Loose paint was vacuumed or swept after removal in each area, and after characterization of the debris for TCLP lead and PCBs, the LBP debris was disposed of off site.

An empty, rooftop-mounted transformer containing PCBs was removed, encapsulated in plastic, and stored near the HMS building prior to transport and offsite disposal at Tonkawa, Oklahomaa.

Demolition activities began with removal of mechanical equipment and interior (non-structural) debris. This material was removed for disposal or salvage depending on the characterization as TSCA waste, contaminated demolition debris, or recyclable metal.

Demolition then proceeded with collapse of sections containing TSCA materials. Each building section was collapsed by shearing the supporting steel structure and using shears to separate and cut metal and other materials into appropriate sizes for disposal as TSCA waste.

Demolition of non-TSCA portions of the building continued, and the same general approach was used to first collapse the building by shearing structural supports, and then sizing and sorting materials for offsite recycling or disposal.

Demolition activities were conducted in a manner to minimize releases. A water truck equipped with a water cannon was used to wet materials during demolition.

During removal of the building structure, asbestos was identified in two areas (the TR Boiler Room and near the old laboratory) that had not been accessible until demolition started. Containment structures were built around these areas, and the asbestos was then removed under controlled conditions by asbestos workers.

Table 2 compares the actual quantities of materials that underwent recycling and disposal with estimated quantities in the original design. The actual quantities varied somewhat from the original design estimates largely due to reclassifications of materials for management during demolition. These reclassifications essentially the Unit Cost categories of uncontaminated and painted salvageable metal, which were managed in the appropriate categories based on recycling requirements. In addition, items not identified in the design or identified from changed site conditions included the PCB transformer (noted above) and the mercury abatement in Room 15.

TABLE 2 - BUILDING DEMOLITION MATERIAL DISPOSITION

Bid Item	tem Design Estimate		Difference
Recycling of uncontaminated salvageable metal	1,100 tons	0	(1,100 tons)
Recycling of painted salvageable metal	7,000 tons		(7,000 tons)
TSCA transport and disposal	800 tons	566 tons	(234 tons)
Subtitle D transport and disposal	12,000 tons	12,240 tons	240 tons
Recycling of PCB- contaminated painted steel	0 tons	4,790 tons	4,790 tons
Disposal of hard debris as PCB article	0 tons	906 tons	906 tons
Transformer disposal	None	1 unit	NA
Mercury cleanup	None	1 unit	NA

Materials management also included transportation and offsite disposal or recycling. The following facilities were used for disposal or recycling of materials generated during demolition. Copies of Manifests and Manifest Logs are included in Appendix B, and Waste Log Summaries are provided in Appendix H.

	Subtitle D disposal	Veolia Environmental Services, Zion, Illinois
•	Subtitle D disposal	Republic Services, Racine, Wisconsin
	TSCA disposal	Heritage, Environmental Services, Roachdale, Indiana
	Disposal of PCB articles	Waste Management, Countryside Landfill, Grayslake, Illinois
	Recycling steel	US Steel, Gary Works, Gary, Indiana
	Transformer disposal	Transformer Disposal Specialists,, Penkawa, Oklahoma City,

4.4 AIR MONITORING DURING DEMOLITION

SulTRAC conducted air monitoring during demolition activities that included (1) personal dust monitoring and (2) periodic perimeter PM10 sampling.

Personal dust monitoring was conducted from March to June 2010 using two DataRAM 4 dust monitors. One dust monitor was established in the interior of the building during building materials sampling and demolition activities. The second dust monitor was installed near the SulTRAC trailer to monitor dust exposures in this work zone. Data were recorded and reviewed to ensure no excessive dust exposures occurred. In addition, the data screens on the dust monitors were visually monitored to ensure no excessive dust exposures occurred. The dust monitors were eventually phased out when entries to the building ceased, thus reducing exposures. Based on the recorded data and visual monitoring, no excessive personnel exposures to dust occurred. The recorded data are not provided but are available upon request. Additional personnel monitoring was conducted during demolition activities by a demolition subcontractor, and their report is included in Appendix E.

Periodic perimeter PM10 sampling was conducted on a weekly basis, during site dry conditions. No samples were collected during weeks of daily precipitation. Figure 6 shows the air monitoring station locations. The PM10 samples were collected using Volumetric Flow Controlled (VFC) PM10 Monitors for Ambient Air obtained from TISCH Environmental, Inc., of Cleves, Ohio. Five PM10 sampling units were established at the site perimeter: at the midpoint of the property boundary, and on the north (AS-N1), east (AS-E1), west (AS-W1), and south (AS-S1). One duplicate PM10 unit was established adjacent to the south unit and labeled AS-S1D. The units operated at a flow rate of approximately 1.13 cubic meters continuous. The samples were collected on micro-quartz filter media obtained by STAT Analytical Corporation of Chicago, Illinois. The PM10 sample units AS-N1, AS-E1, and AS-W1 were powered with portable generators. Units AS-S1 and AS-S1D were powered with electricity from the site temporary supply.

The tables in Appendix E summarizes the laboratory analytical results and the calculated concentrations based on the PM10 unit flow rate. No exceedances of the NAAQS standard of 150 micrograms per cubic meter (µg/m³) occurred during the demolition phase of the project. A few isolated exceedances of the NAAQS occurred during soil remediation activities, but these exceedances were attributed to generator malfunction or extreme wind conditions, not to site conditions.

Meteorological data were obtained from a weather station established on the south central portion of the site. The weather station recorded at both 2 and 10 meters above ground surface the horizontal and vertical wind speeds, wind direction, and temperature. In addition, the weather station recorded date, time, and solar radiation. Data from the weather station were used to compute the VFC flow rates during sampling intervals, and were recorded in the event air modeling would be warranted. The weather data are provided in Appendix I

5.0 FINAL INSPECTION

Inspections were conducted periodically to document performance of activities in accordance with plans and in a safe manner. Inspections occurred at the beginning of abatement activities and upon completion of abatement in containment areas as the work progressed. Following completion of abatement activities, inspection was conducted by the SulTRAC residential engineer and the EAI asbestos project manager to ensure that all asbestos materials identified in the design and during the course of abatement had been removed.

Inspection of the building demolition activities was conducted on an ongoing basis from May 2010 through July 2010, when the demolition was substantively complete. Additional demolition activities took place in March 2011 to address the HMS Building. A final inspection occurred in March 2011 at completion of those demolition activities.

One building remains on the site, the Triax Building, and it is still actively used for ongoing remediation activities related to the Harbor Sediment Cleanup. Removal of this building was not in the scope of the demolition remedial design.

6.0 CERTIFICATION THAT REMEDY IS OPERATIONAL AND FUNCTIONAL

The remedy involved abatement of asbestos from the OMC Plant 2 building, subsequent demolition of the building, and recycling or disposal of demolition materials. These activities have been completed, and all materials have been removed from the site and have undergone disposal or recycling in accordance with the design requirements.

7.0 OPERATION AND MAINTENANCE

No requirement of operation and maintenance was specified because the remedy involved removal of the building and ancillary structures.

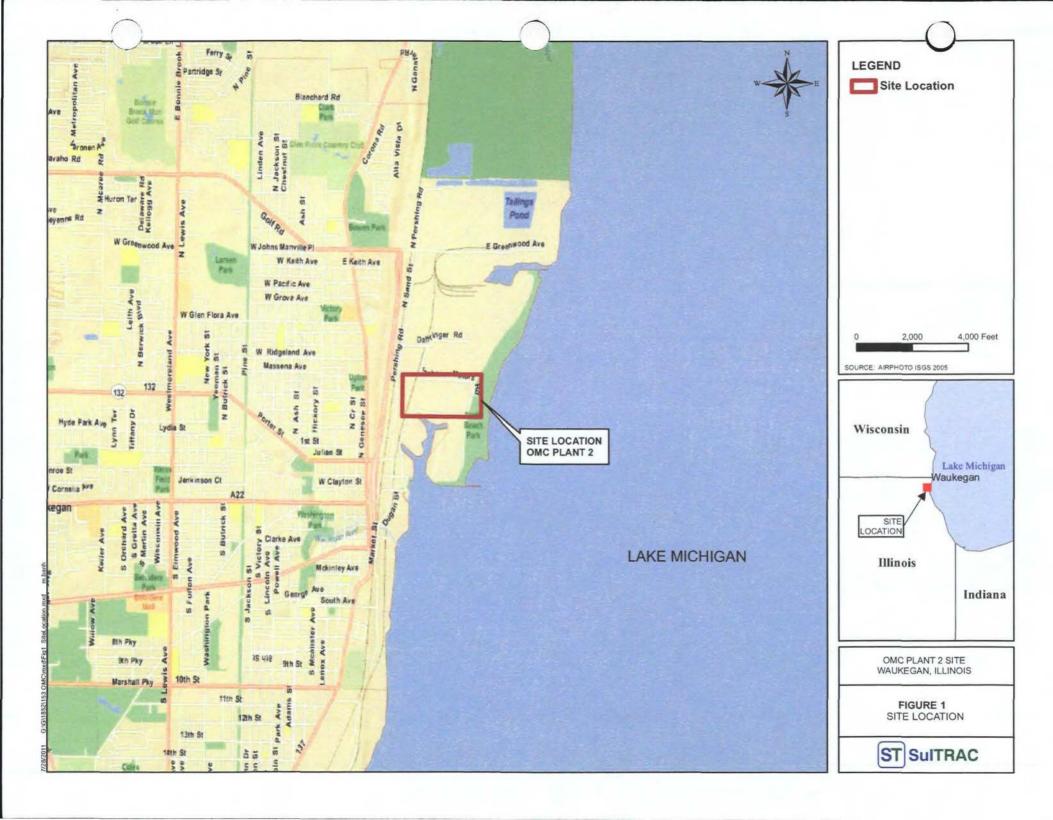
8.0 CONTACT INFORMATION

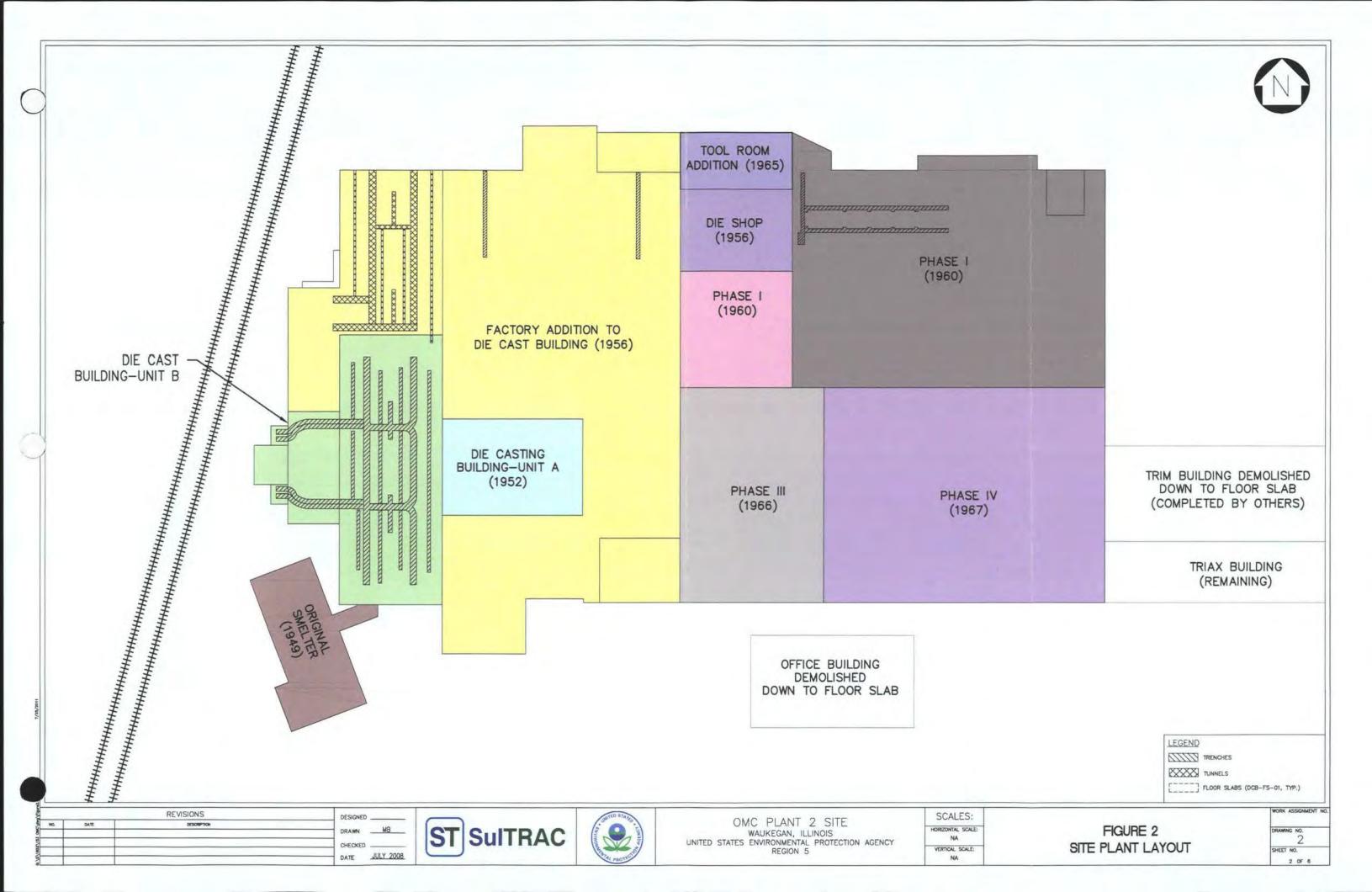
The contacts for this project include:

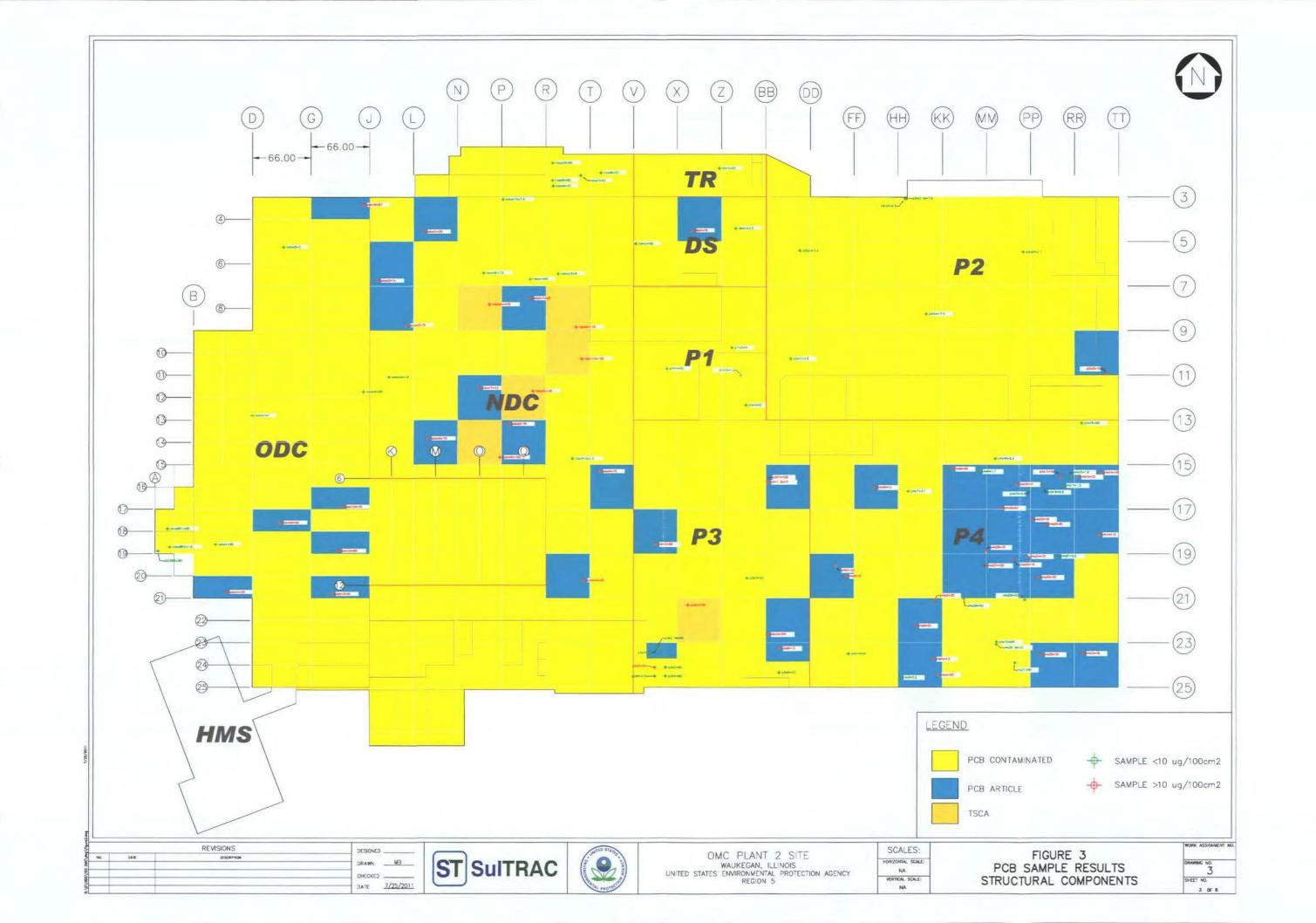
- Kevin Adler, Project Manager, USEPA Region 5, 77 W. Jackson Avenue, Chicago, IL 60604.
 312-886-7078
- Tom Hahne, Project Manager, SulTRAC, 37th Floor, 1 S. Wacker Drive, Chicago, IL 60606 312 201-7474

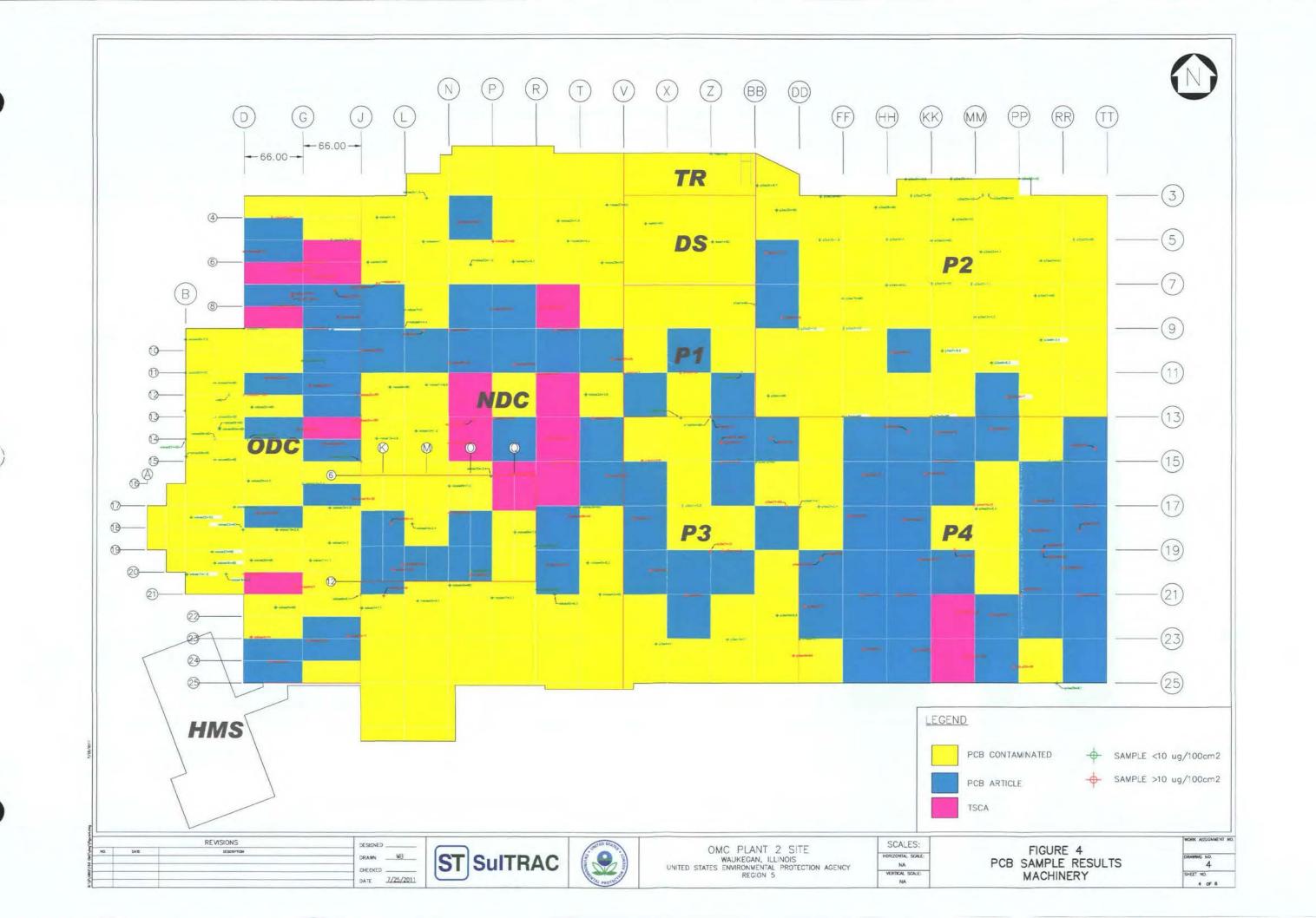
9.0 REFERENCES

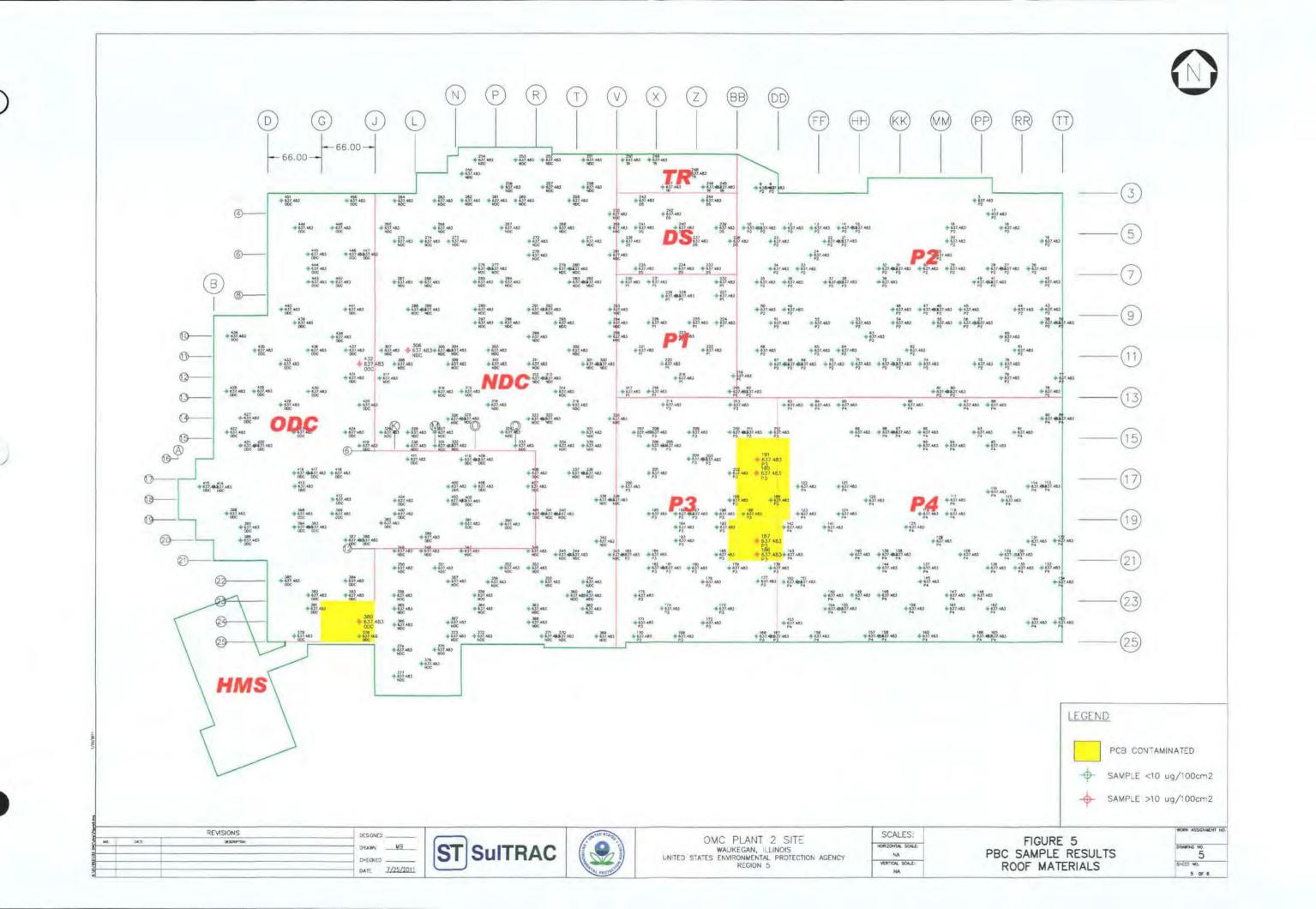
- CH2M Hill. 2006a. Remedial Investigation Report OMC Plant 2, Waukegan, Illinois. April.
- CH2M Hill. 2006b. Feasibility Study Report OMC Plant 2, Waukegan, Illinois. December.
- CH2M Hill. 2008. Basis Of Design Report For Remediation of Soil, Sediment, and Building Media, Final Design, OMC Plant 2, , Waukegan, Illinois. June.
- CH2M Hill. 2009. Addendum to the Basis Of Design Report For Remediation of Soil, Sediment, and Building Media, Final Design, OMC Plant 2, Waukegan, Illinois. November.
- United States Environmental Protection Agency (EPA). 2006. Record of Decision for the Cleanup of Soil and Building Media, OMC Plant 2 Superfund Site.

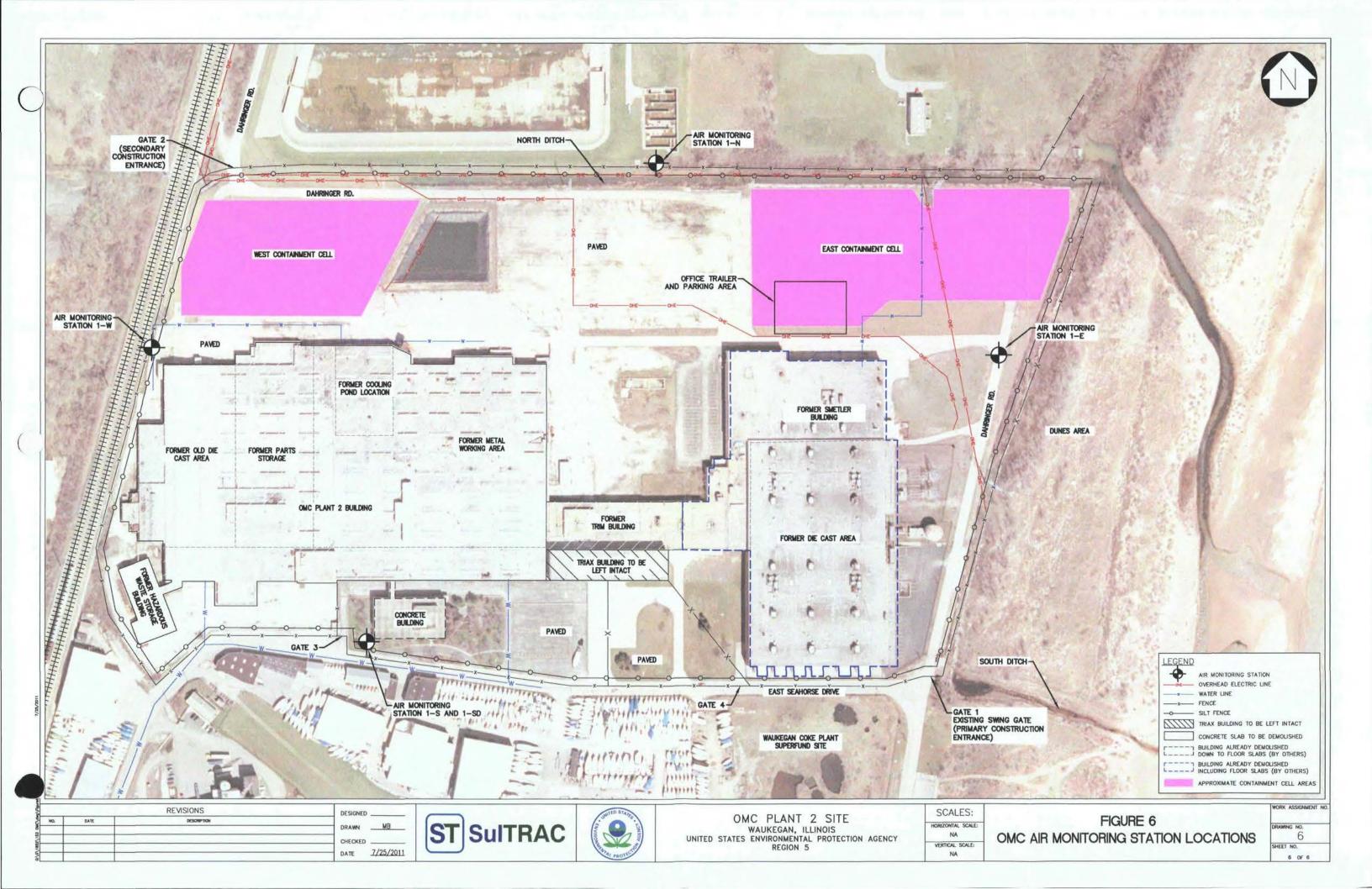












2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-0

April 14, 2010

Tetra Tech EM Inc.
1 South Wacker Drive
37th Floor

Chicago, IL 60606

Telephone: (312) 946-6474 Fax: (312) 938-0118

RE: 103DG9021053.05, OMC, Waukegan STAT Project No: 10040321

Dear Tom Hahne:

STAT Analysis received 3 samples for the referenced project on 4/13/2010 4:35:00 PM. The analytical results are presented in the following report.

All analyses were performed in accordance with the requirements of 35 IAC Part 186 / NELAC standards. Analyses were performed in accordance with methods as referenced on the analytical report. Those analytical results expressed on a dry weight basis are also noted on the analytical report.

All analyses were performed within established holding time criteria, and all Quality Control criteria met EPA or laboratory specifications except when noted in the Case Narrative or Analytical Report. If required, an estimate of uncertainty for the analyses can be provided. A listing of accredited methods/parameters can also be provided.

Thank you for the opportunity to serve you and I look forward to working with you in the future. If you have any questions regarding the enclosed materials, please contact me at (312) 733-0551.

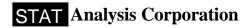
Sincerely,

Katelin Lewis

Project Mananger

Katile Leurs

The information contained in this report and any attachments is confidential information intended only for the use of the individual or entities named above. The results of this report relate only to the samples tested. If you have received this report in error, please notify us immediately by phone. This report shall not be reproduced, except in its entirety, unless written approval has been obtained from the laboratory.



Date: April 14, 2010

Client: Tetra Tech EM Inc.

Project: 103DG9021053.05, OMC, Waukegan Work Order Sample Summary

Lab Order: 10040321

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
10040321-001A	South Wall ODC		4/13/2010 10:15:00 AM	4/13/2010
10040321-002A	East Wall ODC		4/13/2010 10:30:00 AM	4/13/2010
10040321-003A	South Wall CA9		4/13/2010 10:50:00 AM	4/13/2010

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Date Reported: April 14, 2010 **Date Printed:** April 14, 2010

Client: Tetra Tech EM Inc.

Project: 103DG9021053.05, OMC, Waukegan **Lab Order:** 10040321

Lab ID: 10040321-001 **Collection Date** 4/13/2010 10:15:00 AM

Client Sample ID: South Wall ODC Matrix: Solid

Analyses	Result	RL Qualifier	Units	DF	Date Analyzed
PCBs in Solid	SW8082 (SW3580A)		Prep Date: 4/13/2010		Analyst: GVC
Aroclor 1016	ND	0.58	mg/Kg	1	4/14/2010
Aroclor 1221	ND	0.58	mg/Kg	1	4/14/2010
Aroclor 1232	ND	0.58	mg/Kg	1	4/14/2010
Aroclor 1242	ND	0.58	mg/Kg	1	4/14/2010
Aroclor 1248	ND	0.58	mg/Kg	1	4/14/2010
Aroclor 1254	18	0.58	mg/Kg	1	4/14/2010
Aroclor 1260	ND	0.58	mg/Kg	1	4/14/2010

Lab ID: 10040321-002 **Collection Date** 4/13/2010 10:30:00 AM

Client Sample ID: East Wall ODC Matrix: Solid

Analyses	Result	RL Qualif	ier Units	DF	Date Analyzed	
PCBs in Solid	SW8082 (SW3580A)			Prep Date: 4/13/2010 Ar		
Aroclor 1016	ND	0.66	mg/Kg	1	4/14/2010	
Aroclor 1221	ND	0.66	mg/Kg	1	4/14/2010	
Aroclor 1232	ND	0.66	mg/Kg	1	4/14/2010	
Aroclor 1242	ND	0.66	mg/Kg	1	4/14/2010	
Aroclor 1248	ND	0.66	mg/Kg	1	4/14/2010	
Aroclor 1254	17	0.66	mg/Kg	1	4/14/2010	
Aroclor 1260	ND	0.66	mg/Kg	1	4/14/2010	

Lab ID: 10040321-003 **Collection Date** 4/13/2010 10:50:00 AM

Client Sample ID: South Wall CA9 Matrix: Solid

Result	KL Qualifi	ier Units	DF	Date Analyzed
SW808	32 (SW3580A)	Prep	Date: 4/13/2010	Analyst: GVC
ND	0.64	mg/Kg	1	4/14/2010
ND	0.64	mg/Kg	1	4/14/2010
ND	0.64	mg/Kg	1	4/14/2010
ND	0.64	mg/Kg	1	4/14/2010
ND	0.64	mg/Kg	1	4/14/2010
0.73	0.64	mg/Kg	1	4/14/2010
ND	0.64	mg/Kg	1	4/14/2010
	SW808 ND ND ND ND ND ND	SW8082 (SW3580A) ND	SW8082 (SW3580A) Prep ND 0.64 mg/Kg 0.73 0.64 mg/Kg	SW8082 (SW3580A) Prep Date: 4/13/2010 ND 0.64 mg/Kg 1 0.73 0.64 mg/Kg 1

ND - Not Detected at the Reporting Limit

Qualifiers: J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

HT - Sample received past holding time

* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

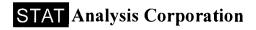
E - Value above quantitation range

H - Holding time exceeded

STAT Analysis Corporation
2242 W. Harrison, Suite 200, Chicago, Illinois 60612 Phone: (312) 733-0551 Fax: (312) 733-2386

e-mail address: STATinfo@STATAnalysis.com AIHA, NVLAP and NELAP accredited

	CHAIN OF CU	STODY RECORD	$N^{\underline{0}}:$ _	83081	5 Page : _	of
Company: TetraTech (SciTere) Project Number: 16306-4621653-05 Cli		P.O. No.:				
Project Number: 1/306-4621653.05 Cli	ent Tracking No.:			////	/////	
Project Name: , 2 M /1 ,		Quote No.:			/////	////
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Sampler(s):					/////	//
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Received by: (Signature)	nte/Time:	$D = H_2SO_4$ $E = HCl$ $F = 5035$	/EnCore G =	Other	remperature:	40° 6



Sample Receipt Checklist

Client Name TETRA CHICAGO		Date and Tim	e Received:	4/13/2010 4:35:00 PM
Work Order Number 10040321	1	Received by:	JJM	, 1
Checklist completed by:	113/,5	Reviewed by:	Initials	4 14 10
Matrix: Carrier name	STAT Analysis			
Shipping container/cooler in good condition?	Yes 🗸	No 🗌	Not Present	
Custody seals intact on shippping container/cooler?	Yes	No 🗌	Not Present 🗸	
Custody seals intact on sample bottles?	Yes	No 🗌	Not Present 🗹	
Chain of custody present?	Yes 🗸	No 🗌		
Chain of custody signed when relinquished and received?	Yes 🗸	No 🗌		
Chain of custody agrees with sample labels/containers?	Yes 🗸	No 🗆		
Samples in proper container/bottle?	Yes 🗸	No 🗌		
Sample containers intact?	Yes 🗸	No 🗌		
Sufficient sample volume for indicated test?	Yes 🗹	No 🗌		
All samples received within holding time?	Yes 🗹	No 🗀		
Container or Temp Blank temperature in compliance?	Yes 🗹	No 🗌	Temperature	e 1.0 °C
Water - VOA vials have zero headspace? No VOA vials subm	nitted	Yes 🏥	No 🗐	
Water - Samples pH checked?	Yes 🔳	No 🔛	Checked by:	
Water - Samples properly preserved?	Yes 🕒	No 🖾	pH Adjusted?	
Any No response must be detailed in the comments section below.				
Comments:	<u>.</u>			
Client / Person Date contacted:		Conta	acted by:	
Response:				
·				

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766
Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com
Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-0

May 20, 2010

Tetra Tech EM Inc.
1 South Wacker Drive
37th Floor

Chicago, IL 60606

Telephone: (312) 946-6474 Fax: (312) 938-0118

RE: 103DG9021053.05, OMC, Waukegan, IL STAT Project No: 10050046

Dear Tom Hahne:

STAT Analysis received 10 samples for the referenced project on 5/4/2010 9:55:00 AM. The analytical results are presented in the following report.

All analyses were performed in accordance with the requirements of 35 IAC Part 186 / NELAC standards. Analyses were performed in accordance with methods as referenced on the analytical report. Those analytical results expressed on a dry weight basis are also noted on the analytical report.

All analyses were performed within established holding time criteria, and all Quality Control criteria met EPA or laboratory specifications except when noted in the Case Narrative or Analytical Report. If required, an estimate of uncertainty for the analyses can be provided. A listing of accredited methods/parameters can also be provided.

Thank you for the opportunity to serve you and I look forward to working with you in the future. If you have any questions regarding the enclosed materials, please contact me at (312) 733-0551.

Sincerely,

Catia Giannini

Project Manager

The information contained in this report and any attachments is confidential information intended only for the use of the individual or entities named above. The results of this report relate only to the samples tested. If you have received this report in error, please notify us immediately by phone. This report shall not be reproduced, except in its entirety, unless written approval has been obtained from the laboratory.

Date: May 20, 2010

Client: Tetra Tech EM Inc.

Project: 103DG9021053.05, OMC, Waukegan, IL Work Order Sample Summary

Lab Order: 10050046

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
10050046-001A	AS-S1 05-01-10	513.11 m ³	5/1/2010	5/4/2010
10050046-002A	AS-S1D 05-01-10	877.76 m ³	5/1/2010	5/4/2010
10050046-003A	AS-W1 05-01-10	883.61 m ³	5/1/2010	5/4/2010
10050046-004A	AS-N1 05-01-10	887.79 m³	5/1/2010	5/4/2010
10050046-005A	AS-E1 05-01-10	858.46 m ³	5/1/2010	5/4/2010
10050046-006A	AS-S1 05-02-10	1366.51 m³	5/2/2010	5/4/2010
10050046-007A	AS-S1D 05-02-10	1350.55 m ³	5/2/2010	5/4/2010
10050046-008A	AS-W1 05-02-10	714.15 m ³	5/2/2010	5/4/2010
10050046-009A	AS-N1 05-02-10	1507.78 m ³	5/2/2010	5/4/2010
10050046-010A	AS-E1 05-02-10	1140.85 m³	5/2/2010	5/4/2010

Date: May 20, 2010

CLIENT: Tetra Tech EM Inc.

Project: 103DG9021053.05, OMC, Waukegan, IL CASE NARRATIVE

Lab Order: 10050046

The following filters were received damaged and/or torn:

AS-S1 05-01-10 (10050046-001)

AS-W1 05-01-10 (10050046-003)

AS-E1 05-01-10 (10050046-005)

AS-S1D 05-02-10 (10050046-007)

AS-E1 05-02-10 (10050046-010)

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766 Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-0

Date Reported: May 20, 2010 **Date Printed:** May 20, 2010

Client: Tetra Tech EM Inc.

Project: 10050046 103DG9021053.05, OMC, Waukegan, IL Lab Order:

Lab ID: 10050046-001 **Collection Date:** 5/1/2010

Client Sample ID: AS-S1 05-01-10 Matrix: Air

Result Qualifier Units DF Analyses **Date Analyzed**

Particulate Matter in Air 40 CFR PART 50 APP. J Prep Date: 5/4/2010 Analyst: JP Particulate Matter (as PM10) 8800 100 µg/filter 5/5/2010

Lab ID: 10050046-002 Collection Date: 5/1/2010

Client Sample ID: AS-S1D 05-01-10 Matrix: Air

Analyses Result **RL Qualifier Units** DF **Date Analyzed**

Particulate Matter in Air 40 CFR PART 50 APP. J Prep Date: 5/4/2010 Analyst: JP Particulate Matter (as PM10) 9500 100 5/5/2010

10050046-003 Collection Date: 5/1/2010 Lab ID:

Client Sample ID: AS-W1 05-01-10 Matrix: Air

Result **Qualifier Units** DF Analyses RL **Date Analyzed**

Particulate Matter in Air 40 CFR PART 50 APP. J Prep Date: 5/4/2010 Analyst: JP Particulate Matter (as PM10) 8900 100 µg/filter 5/5/2010

Collection Date: 5/1/2010 Lab ID: 10050046-004

Client Sample ID: AS-N1 05-01-10 Matrix: Air

Result RL**Qualifier Units** DF **Date Analyzed** Analyses

40 CFR PART 50 APP. J **Particulate Matter in Air** Prep Date: 5/4/2010 Analyst: JP Particulate Matter (as PM10) 7500 100 µg/filter 5/5/2010

Collection Date: 5/1/2010 Lab ID: 10050046-005

Client Sample ID: AS-E1 05-01-10 Matrix: Air

DF Result RLQualifier Units Analyses **Date Analyzed**

Particulate Matter in Air 40 CFR PART 50 APP. J Prep Date: 5/4/2010 Analyst: JP Particulate Matter (as PM10) 7800 100 µg/filter 5/5/2010

ND - Not Detected at the Reporting Limit Qualifiers:

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

HT - Sample received past holding time

* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits E - Value above quantitation range

H - Holding time exceeded

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766 Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-0

Date Reported: May 20, 2010 **Date Printed:** May 20, 2010

Client: Tetra Tech EM Inc.

Project: 103DG9021053.05, OMC, Waukegan, IL **Lab Order:** 10050046

Lab ID: 10050046-006 **Collection Date:** 5/2/2010

Client Sample ID: AS-S1 05-02-10 Matrix: Air

Analyses Result RL Qualifier Units DF Date Analyzed

Particulate Matter in Air40 CFR PART 50 APP. JPrep Date: 5/4/2010Analyst: JPParticulate Matter (as PM10)8800100μg/filter15/5/2010

Lab ID: 10050046-007 **Collection Date:** 5/2/2010

Client Sample ID: AS-S1D 05-02-10 Matrix: Air

Analyses Result RL Qualifier Units DF Date Analyzed

 Particulate Matter in Air
 40 CFR PART 50 APP. J
 Prep Date: 5/4/2010
 Analyst: JP

 Particulate Matter (as PM10)
 9700
 100
 μg/filter
 1
 5/5/2010

Lab ID: 10050046-008 **Collection Date:** 5/2/2010

Client Sample ID: AS-W1 05-02-10 Matrix: Air

Analyses Result RL Qualifier Units DF Date Analyzed

Particulate Matter in Air

40 CFR PART 50 APP. J

Prep Date: 5/4/2010

Analyst: JP

Particulate Matter (as PM10)

9300

100

µg/filter

1

5/5/2010

Lab ID: 10050046-009 **Collection Date:** 5/2/2010

Client Sample ID: AS-N1 05-02-10 Matrix: Air

Analyses Result RL Qualifier Units DF Date Analyzed

Particulate Matter in Air

Particulate Matter (as PM10)

40 CFR PART 50 APP. J

Prep Date: 5/4/2010

Analyst: JP

particulate Matter (as PM10)

11400

100

µg/filter

1

5/5/2010

Lab ID: 10050046-010 **Collection Date:** 5/2/2010

Client Sample ID: AS-E1 05-02-10 Matrix: Air

Analyses Result RL Qualifier Units DF Date Analyzed

Particulate Matter in Air
Particulate Matter (as PM10)

40 CFR PART 50 APP. J
Prep Date: 5/4/2010
Analyst: JP
pug/filter 1 5/5/2010

ND - Not Detected at the Reporting Limit RL - Reporting

Qualifiers: J - Analyte detected below quantitation limits S - Spike Rec

B - Analyte detected in the associated Method Blank

HT - Sample received past holding time

* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

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STAT Analysis Corporation
2242 W. Harrison, Suite 200, Chicago, Illinois 60612 Phone: (312) 733-0551 Fax: (312) 733-2386 e-mail address: STATinfo@STATAnalysis.com AlHA, NVLAP and NELAP accredited

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Project Name: OMC							Quo	ote No	э.:		1	,	//	//			//	///	//	
Project Location: Wood Regari T							<u></u>				<u> </u>	//	//	//	//	//	//,	///	//	
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Report To: Tom Hanne	Phone:						.]					/,	//	//			//	///	//	Turn Around:
	Fax:								/	//		/	//	//		//	//	///		
QC Level: 1 2 3 4	e-mail:							,	\$ >			//	//	//	//	//	//,	//		Results Needed:
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Sample Receipt Checklist

Client Name TETRA CHICAGO			Date and Tim	e Received:	5/4/2010 9:55:00 AM
Work Order Number 10050046			Received by:	CDF	
Checklist completed by:	S/ Bate	4/10	Reviewed by:	Initials	5 J 4 0
Matrix:	Carrier name: <u>F</u>	edEx			
Shipping container/cooler in good condition?	Y	es 🗸	No 🗔	Not Present	
Custody seals intact on shippping container/coole	er? Y	es 🗌	No 🗔	Not Present	
Custody seals intact on sample bottles?	Y	es 🗌	No 🗌	Not Present 🗹	
Chain of custody present?	Y	es 🗸	No 🗔		
Chain of custody signed when relinquished and re	eceived? Y	es 🗸	No 🗀		
Chain of custody agrees with sample labels/conta	ainers? Y	es 🗸	No 🗀		
Samples in proper container/bottle?	Y	es 🗸	No 🗔		
Sample containers intact?	Y	es 🗹	No 🗌		
Sufficient sample volume for indicated test?	Y	es 🗸	No 🗆		
All samples received within holding time?	Y	es 🗸	No 🗌		
Container or Temp Blank temperature in complian	nce? Y	es 🗸	No 🗌	Temperature	Ambient °C
Water - VOA vials have zero headspace?	No VOA vials submitt	ed	Yes 📑	No 🖾	
Water - Samples pH checked?	Y	'es 🔤	No 🗀	Checked by:	
Water - Samples properly preserved?	Y	es 🗓	No 🗔	pH Adjusted?	
Any No response must be detailed in the comme	nts section below.				
Comments:					
			<u>. </u>		
					•••
Client / Person contacted;	Date contacted:		Conta	icted by:	
Response:					

PM10 AIR SAMPLE DATA OMC, WAUKEGAN, IL

			Flow Volume - Standard Air (m3)
ļ		Sample	
No	Date	location	
1	5/1/2010	AS-E1	858.46
		AS-N1	887.79
		AS-WI	883.61
		AS-S1	513.11
		AS-S1D	877.76
2	5/2/2010	AS-E1	1,140.85
		AS-N1	1,507.78
		AS-WI	714.15
		AS-S1	1,366.51
		AS-S1D	1,350.55
3	5/3/2010	AS-E1	1,508.03
		AS-N1	1,461.48
		AS-WI	1,073.88
		AS-S1	912.70
		AS-S1D	942.18
4	5/4/2010	AS-E1	1,318.23
		AS-N1	1,312.78
		AS-WI	1,353.78
		AS-S1	1,135.40
		AS-S1D	1,126.20
5	5/18/2010	AS-E1	
		AS-N1	
		AS-WI	
		AS-S1	
		AS-S1D	

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766
Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com
Accreditation Numbers: IEPA ELAP 100445: ORELAP IL300001;AIHA 101160; NVLAP LabCode 101202-0

June 08, 2010

Tetra Tech EM Inc. 1 South Wacker Drive 37th Floor Chicago, IL 60606

Telephone: (312) 946-6474 Fax: (312) 938-0118

RE: 103DG9021.053.05, OMC, Waukegan

STAT Project No 10050117

Dear Tom Hahne:

STAT Analysis received 10 samples for the referenced project on 5/6/2010 9:35:00 AM. The analytical results are presented in the following report.

This report is revised to reflect changes made after the initial report was issued.

All analyses were performed in accordance with the requirements of 35 IAC part 186 / NELAC standards. Analyses were performed in accordance with methods as referenced on the analytical report. Those analytical results expressed on a dry weight basis are also noted on the analytical report.

All analyses were performed within established holding time criteria, and all Quality Control criteria met EPA or laboratory specifications except when noted in the Case Narrative or Analytical Report. If required, an estimate of uncertainty for the analyses can be provided. A listing of accredited methods/parameters can also be provided.

Thank you for the opportunity to serve you and I look forward to working with you in the future. If you have any questions regarding the enclosed materials, please contact me at (312) 733-0551.

Sincerely,

Craig Chawla

Project Manager

The information contained in this report and any attachments is confidential information intended only for the use of the individual or entities named above. The results of this report relate only to the samples tested. If you have received this report in error, please notify us immediately by phone. This report shall not be reproduced, except in its entirety, unless written approval has been obtained from the laboratory.

Date: June 08, 2010

Client: Tetra Tech EM Inc.

Project: 103DG9021.053.05, OMC, Waukegan Work Order Sample Summary

Lab Order: 10050117

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
10050117-001A	AS-W1 05-03-10	1073.88 m³	5/3/2010	5/6/2010
10050117-002A	AS-S1 05-03-10	912.70 m³	5/3/2010	5/6/2010
10050117-003A	AS-S1D 05-03-10	942.18 m ³	5/3/2010	5/6/2010
10050117-004A	AS-E1 05-03-10	1508.03 m³	5/3/2010	5/6/2010
10050117-005A	AS-N1 05-03-10	1461.48 m³	5/3/2010	5/6/2010
10050117-006A	AS-S1 05-04-10	1135.40 m³	5/4/2010	5/6/2010
10050117-007A	AS-S1D 05-04-10	1126.20 m³	5/4/2010	5/6/2010
10050117-008A	AS-E1 05-04-10	1318.23 m³	5/4/2010	5/6/2010
10050117-009A	AS-W1 05-04-10	1353.78 m³	5/4/2010	5/6/2010
10050117-010A	AS-N1 05-04-10	1312.78 m³	5/4/2010	5/6/2010

Date: June 08, 2010

CLIENT: Tetra Tech EM Inc.

Project: 103DG9021.053.05, OMC, Waukegan CASE NARRATIVE

Lab Order: 10050117

The following filters were received damaged and/or torn: AS-S1D 05-04-10 (10050117-007)

Tetra Tech EM Inc.

Client:

Analyses

Analyses

A malviaca

Particulate Matter in Air

Particulate Matter (as PM10)

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766
Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Date Reported: June 08, 2010 **Date Printed:** June 08, 2010

DF

Prep Date: 5/6/2010

DF

Date Analyzed

Analyst: JP

5/7/2010

Date Analyzed

Data Analyzad

Project:	103DG9021.053.05, O	MC, Waukegan			Lab Ord	er: 10050117								
Lab ID: Client Sampl	10050117-001 le ID: AS-W1 05-03-10		Collection Date 5/3/2010 Matrix: Air											
Analyses		Result	RL Qu	alifier	Units	DF	Date Analyzed							
Particulate Ma	atter in Air ltter (as PM10)	40 CFR F 12900	PART 50 AI 100	PP. J	Prep µg/filter	Date: 5/6/2010	Analyst: JP 5/7/2010							
Lab ID:	10050117-002			Coll	ection D	ate 5/3/2010								
Client Sampl	le ID:AS-S1 05-03-10				Matı	ix: Air								
Analyses		Result	RL Qu	alifier	Units	DF	Date Analyzed							
Particulate Ma	atter in Air utter (as PM10)	40 CFR F 16300	PART 50 AI 100	PP. J	Prep µg/filter	Date: 5/6/2010	Analyst: JP 5/7/2010							
Lab ID:	10050117-003			Coll	ection D	ate 5/3/2010								
Client Sampl	le ID: AS-S1D 05-03-10				Matı	ix: Air								

RL Qualifier Units

RL Qualifier Units

Onalifian

µg/filter

Lab ID:	10050117-004	Collection Date 5/3/2010
Client Samp	le ID:AS-E1 05-03-10	Matrix: Air

Result

Result

16100

Particulate Matter in Air	40 CF	R PART 50 APP. J	Pron	Analyst: JP	
i di ticulate matter ili Ali	70 01	CIAICI SO AII. O	ПСР	Date: 5/6/2010	Allalyst. Of
Particulate Matter (as PM10)	15500	100	μg/filter	1	5/7/2010

40 CFR PART 50 APP. J

100

Lab ID:	10050117-005	Collection Date 5/3.	/2010
Client Sample I	D: AS-N1 05-03-10	Matrix: Air	

Analyses	Result	KL Qualifier	omis L	T	Date Analyzeu
Particulate Matter in Air	40 CER	PART 50 APP I	Pren Date	a: 5/6/2010	Analyst: IP

Particulate Matter in Air
Particulate Matter (as PM10)

40 CFR PART 50 APP. J
Prep Date: 5/6/2010
Analyst: JP
prep Date: 5/6/2010
Analyst: JP

ND - Not Detected at the Reporting Limit

Qualifiers: J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

HT - Sample received past holding time

* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis

S - Spike Recovery outside accepted recovery limits

p ppp

R - RPD outside accepted recovery limitsE - Value above quantitation range

H - Holding time exceeded

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766
Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Date Reported: June 08, 2010 **Date Printed:** June 08, 2010

		Date Printed: June 08, 2010											
Client:	Tetra Tech EM Inc.												
Project:	103DG9021.053.05, Ol	MC, Waukegan			Lab Ord	ler: 10050117							
Lab ID:	10050117-006			Coll	ection D	ate 5/4/2010							
Client Sampl	e ID: AS-S1 05-04-10				Mat	rix: Air							
Analyses		Result	RL	Qualifier	Units	DF	Date Analyzed						
Particulate Ma Particulate Ma		40 CFR F 53500	PART 5 100	60 APP. J	Prep µg/filter	Date: 5/6/2010	Analyst: JP 5/7/2010						
Lab ID:	10050117-007			Coll	ection D	ate 5/4/2010							
Client Sampl	e ID: AS-S1D 05-04-10				Mat	rix: Air							
Analyses		Result	RL	Qualifier	Units	DF	Date Analyzed						
Particulate Ma	atter in Air	40 CFR F	PART 5	0 APP. J	Prep	Date: 5/6/2010	Analyst: JP						
Particulate Ma	tter (as PM10)	50400	100		µg/filter	1	5/7/2010						
Lab ID:	10050117-008			Coll	ection D	ate 5/4/2010							
Client Sampl	e ID: AS-E1 05-04-10				Mat	rix: Air							
Analyses		Result	RL	Qualifier	Units	DF	Date Analyzed						
Particulate Ma	atter in Air	40 CFR F	PART 5	0 APP. J	Prep	Date: 5/6/2010	Analyst: JP						
Particulate Ma	tter (as PM10)	20400	100		µg/filter	1	5/7/2010						
Lab ID:	10050117-009			Coll	ection D	ate 5/4/2010							
Client Sampl	e ID: AS-W1 05-04-10				Mat	rix: Air							
Analyses		Result	RL	Qualifier	Units	DF	Date Analyzed						
Particulate Ma		40 CFR F 26000	PART 5	60 APP. J	Prep µg/filter	Date: 5/6/2010	Analyst: JP 5/7/2010						
Lab ID:	10050117-010			Coll	ection D	ate 5/4/2010							
Client Sampl	e ID: AS-N1 05-04-10				Mat	rix: Air							
Analyses		Result	RL	Qualifier	Units	DF	Date Analyzed						
Particulate Ma	atter in Air	40 CFR F	PART 5	0 APP. J	Prep	Date: 5/6/2010	Analyst: JP						
Particulate Ma	tter (as PM10)	27600	100		μg/filter	1	5/7/2010						

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

 \boldsymbol{B} - Analyte detected in the associated Method Blank

HT - Sample received past holding time

* - Non-accredited parameter

Qualifiers:

RL - Reporting / Quantitation Limit for the analysis

S - Spike Recovery outside accepted recovery limits

B BBB side accepted recovery min

R - RPD outside accepted recovery limits
E - Value above quantitation range

H - Holding time exceeded

STAT Analysis Corporation
2242 W. Harrison, Suite 200, Chicago, Illinois 60612 Phone: (312) 733-0551 Fax: (312) 733-2386 e-rnail address : STATinfo(a)STATAnalysis.com AIHA, NVLAP and NELAP accredited

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Project Location: Walkey	7												//	//		//	////	///
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Relinquished by: (Signature)			Date	e/Time				Prese	rvation	Code:	A = No	one B	= HNO ₃	C = N	laOH	T	emperature: 4,	°C
Received by (Sig nature)			Date	e/Time				[) = [4,SO ₄	E = H	CI F :	= 5035/1	EnCore	G = O	ther	1	4.	mbient

Sample Receipt Checklist

Client Name TETRA CHICAGO	Date and Tim	ne Received:	5/6/2010 9:35:00 AM	
Work Order Number 10050117		Received by:	CDF	
Checklist completed by: Signature Date	16/10	Reviewed by:	Initials	5 6 10
Matrix: Carrier name:	<u>FedEx</u>			
Skipping container/cooler in good condition?	Yes 🗸	No 🗌	Not Present	
Custody seals intact on shippping container/cooler?	Yes	No 🗌	Not Present 🗹	
Custody seals intact on sample bottles?	Yes 🗌	No 🗌	Not Present 🗹	
Chain of custody present?	Yes 🗸	No 🗌		
Chain of custody signed when relinquished and received?	Yes 🗸	No 🗌		
Chain of custody agrees with sample labels/containers?	Yes 🗸	No 🗌		
Samples in proper container/bottle?	Yes 🗹	No 🗌		
Sample containers intact?	Yes 🔽	No 🗌		
Sufficient sample volume for indicated test?	Yes 🗸	No 🗀		
All samples received within holding time?	Yes 🗸	No 🗌		
Container or Temp Blank temperature in compliance?	Yes 🗸	No 🗌	Temporature	Ambient °C
Water - VOA vials have zero headspace? No VOA vials subn	nitted 🔝	Yes 🗔	No 🗌	
Water - Samples pH checked?	Yes 📴	No 🗓	Checked by:	
Water - Samples properly preserved?	Yes 🗌	No 🗔	pH Adjusted?	
Any No response must be detailed in the comments section below.			•	
Comments:				
Client / Person Date contacted:		Conta	acted by:	
Response:		* *		
				1 Am 12

PM10 AIR SAMPLE DATA OMC, WAUKEGAN, IL

No	Date	Sam ple lo cation	Flow Volume - Standard Air (m3)
		10 0001011	
1	5/1/2010	AS-E1	858.46
		AS-N1	887.79
		AS-WI	883.61
		AS-S1	513.11
		AS-S1D	877.76
2	5/2/2010	AS-E1	1,140.85
		AS-N1	1,507.78
		AS-WI	714.15
		AS-S1	1,366.51
		AS-S1D	1,350.55
3	5/3/2010	AS-E1	1,508.03
		AS-N1	1,461.48
		AS-WI	1,073.88
		AS-S1	912.70
		AS-S1D	942.18
4	5/ 4/ 2 010	AS-E1	1,318.23
		AS-N1	1,312.78
		AS-W	1,353.78
		AS-\$1	1,135.40
		AS-S1D	1,126.20
5	5/18/2010	AS-E1	
		AS-N 1	
		AS-WI	
		AS-\$1	
		AS-S1D	

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766
Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001;AIHA 101160; NVLAP LabCode 101202-0

June 03, 2010

Tetra Tech EM Inc.
1 South Wacker Drive
37th Floor
Chicago, IL 60606

Telephone: (312) 856-8700 Fax: (312) 938-0118

RE: 103DG9021053, OMC, Waukegan STAT Project No: 10050538

Dear Carol Nissen:

STAT Analysis received 5 samples for the referenced project on 5/20/2010 9:30:00 AM. The analytical results are presented in the following report.

All analyses were performed in accordance with the requirements of 35 IAC Part 186 / NELAC standards. Analyses were performed in accordance with methods as referenced on the analytical report. Those analytical results expressed on a dry weight basis are also noted on the analytical report.

All analyses were performed within established holding time criteria, and all Quality Control criteria met EPA or laboratory specifications except when noted in the Case Narrative or Analytical Report. If required, an estimate of uncertainty for the analyses can be provided. A listing of accredited methods/parameters can also be provided.

Thank you for the opportunity to serve you and I look forward to working with you in the future. If you have any questions regarding the enclosed materials, please contact me at (312) 733-0551.

Sincerely,

Katelin Lewis

Project Mananger

Katele Jeuis

The information contained in this report and any attachments is confidential information intended only for the use of the individual or entities named above. The results of this report relate only to the samples tested. If you have received this report in error, please notify us immediately by phone. This report shall not be reproduced, except in its entirety, unless written approval has been obtained from the laboratory.

Date: June 03, 2010

Client: Tetra Tech EM Inc.

Project: 103DG9021053, OMC, Waukegan Work Order Sample Summary

Lab Order: 10050538

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
10050538-001A	AS-W1 05-18-10		5/18/2010 7:30:00 AM	5/20/2010
10050538-002A	AS-N1 05-18-10		5/18/2010 7:03:00 AM	5/20/2010
10050538-003A	AS-E1 05-18-10		5/18/2010 7:14:00 AM	5/20/2010
10050538-004A	AS-S1D 05-18-10		5/18/2010 7:39:00 AM	5/20/2010
10050538-005A	AS-S1 05-18-10		5/18/2010 7:38:00 AM	5/20/2010

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766 Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Date Reported: June 03, 2010

·-				D	ate Print	ted: June 03.	, 2010
Client: Project:	Tetra Tech EM Inc. 103DG9021053, OMC	, Waukegan			Lab Ord	ler: 100505	38
Lab ID: Client Sample	10050538-001 ID: AS-W1 05-18-10			Col		oate 5/18/20 rix: Air	10 7:30:00 AM
Analyses		Result	RL	Qualifier	Units	DF	Date Analyzed
Particulate Mate		40 CFF 22700	R PART 5	60 APP. J	Prep µg/filter	Date: 5/20/20 1	O10 Analyst: JP 5/25/2010
Lab ID: Client Sample	10050538-002 ID: AS-N1 05-18-10			Coll		oate 5/18/20 rix: Air	10 7:03:00 AM
Analyses		Result	RL	Qualifier	Units	DF	Date Analyzed
Particulate Mate		40 CFF 9600	R PART 5	60 APP. J	Prep µg/filter	Date: 5/20/20	D10 Analyst: JP 5/25/2010
Lab ID: Client Sample	10050538-003 ID: AS-E1 05-18-10			Coll		oate 5/18/20 rix: Air	10 7:14:00 AM
Analyses		Result	RL	Qualifier	Units	DF	Date Analyzed
Particulate Mat		40 CFF 28100	R PART 5	60 APP. J	Prep µg/filter	Date: 5/20/20	D10 Analyst: JP 5/25/2010
Lab ID: Client Sample	10050538-004 ID: AS-S1D 05-18-10			Coll		oate 5/18/20 rix: Air	10 7:39:00 AM
Analyses		Result	RL	Qualifier	Units	DF	Date Analyzed
Particulate Mate		40 CFF 16200	R PART 5	60 APP. J	Prep µg/filter	Date: 5/20/20	O10 Analyst: JP 5/25/2010
Lab ID:	10050538-005			Col	lection D	oate 5/18/20	10 7:38:00 AM
Client Sample	ID: AS-S1 05-18-10				Mat	rix: Air	
Analyses		Result	RL	Qualifier	Units	DF	Date Analyzed
Particulate Mate		40 CFF 21500	R PART 5	60 APP. J	Prep µg/filter	Date: 5/20/20	D10 Analyst: JP 5/25/2010

ND - Not Detected at the Reporting Limit

Qualifiers: J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

HT - Sample received past holding time

* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

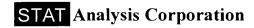
E - Value above quantitation range

H - Holding time exceeded

STAT Analysis Corporation
22 42 W. Harrison, Suite 200, Chicago, Illinois 60612 Phone: (312) 733-0551 Fax: (312) 733-2386

e-mail address: STATinfo@STATAnalysis.com AIHA, NVLAP and NELAP accredited

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Sample Receipt Checklist

Client Name LETRA CHICAGO			Date and I im	e Received:	5/20/2010 9:30:00 AM
Work Order Number 10050538			Received by:	CDF	
Checklist completed by:	Date	120/10	Reviewed by:	Initials	5/21/10 Date
Matrix:	Carrier name:	FedEx			
Shipping container/cooler in good condition?		Yes 🗸	No 🗌	Not Present	
Custody seals intact on shippping container/coo	ler?	Yes	No 🗔	Not Present	
Custody seals intact on sample bottles?		Yes 🗌	No 🗌	Not Present	
Chain of custody present?		Yes 🗸	No 🗆		
Chain of custody signed when relinquished and	received?	Yes 🗸	No 🗌		
Chain of custody agrees with sample labels/conf	tainers?	Yes 🗸	No \square		
Samples in proper container/bottle?		Yes 🗸	No 🗔		
Sample containers intact?		Yes 🗹	No 🗌		
Sufficient sample volume for indicated test?		Yes 🗹	No 🗌		
All samples received within holding time?		Yes 🗹	No 🗀		
Container or Temp Blank temperature in complia	ance?	Yes 🗸	No 🗌	Temperatur	e Ambient °C
Water - VOA vials have zero headspace?	No VOA vials subn	nitted 🗓	Yes 🗔	No 🗔	
Water - Samples pH checked?		Yes 🗔	No 🗔	Checked by:	
Water - Samples properly preserved?		Yes 🗉	No 🖪	pH Adjusted?	
Any No response must be detailed in the comme	ents section below.				
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Comments:	· · · · · · · · · · · · · · · · · · ·				
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· ·					
Client / Person contacted:	Date contacted:		Conta	acted by:	
Response:					

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-0

June 03, 2010

Tetra Tech EM Inc.
1 South Wacker Drive
37th Floor
Chicago, IL 60606

Telephone: (312) 856-8700 Fax: (312) 938-0118

RE: 103DG9021053-05, OMC STAT Project No: 10050726

Dear Carol Nissen:

STAT Analysis received 5 samples for the referenced project on 5/27/2010 9:00:00 AM. The analytical results are presented in the following report.

All analyses were performed in accordance with the requirements of 35 IAC Part 186 / NELAC standards. Analyses were performed in accordance with methods as referenced on the analytical report. Those analytical results expressed on a dry weight basis are also noted on the analytical report.

All analyses were performed within established holding time criteria, and all Quality Control criteria met EPA or laboratory specifications except when noted in the Case Narrative or Analytical Report. If required, an estimate of uncertainty for the analyses can be provided. A listing of accredited methods/parameters can also be provided.

Thank you for the opportunity to serve you and I look forward to working with you in the future. If you have any questions regarding the enclosed materials, please contact me at (312) 733-0551.

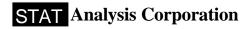
Sincerely,

Katelin Lewis

Project Mananger

Yatile Seis

The information contained in this report and any attachments is confidential information intended only for the use of the individual or entities named above. The results of this report relate only to the samples tested. If you have received this report in error, please notify us immediately by phone. This report shall not be reproduced, except in its entirety, unless written approval has been obtained from the laboratory.



Date: June 03, 2010

Client: Tetra Tech EM Inc.

Lab Order: 10050726

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
10050726-001A	AS-N1 05-25-10		5/25/2010	5/27/2010
10050726-002A	AS-E1 05-25-10		5/25/2010	5/27/2010
10050726-003A	AS-S1 05-25-10		5/25/2010	5/27/2010
10050726-004A	AS-S1D 05-25-10		5/25/2010	5/27/2010
10050726-005A	AS-W1 05-25-10		5/25/2010	5/27/2010

Date: June 03, 2010

CLIENT: Tetra Tech EM Inc.

Project: 103DG9021053-05, OMC CASE NARRATIVE

Lab Order: 10050726

The following filters were received damaged and/or torn: AS-E1 05-25-10 (10050726-002)

Tetra Tech EM Inc.

Client:

Particulate Matter in Air

Analyses

Particulate Matter (as PM10)

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766 Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Date Reported: June 03, 2010 Date Printed: June 03, 2010

Project:	103DG9021053-05, C	OMC			Lab Ord	ler: 1005072	26
Lab ID: Client Sampl	10050726-001 e ID:AS-N1 05-25-10			Coll		eate 5/25/20	10
Analyses		Result	RL	Qualifier	Units	DF	Date Analyzed
Particulate Ma	atter in Air tter (as PM10)	40 CFR 32600	2 PART 5	0 APP. J	Prep µg/filter	Date: 5/27/20	O10 Analyst: JP 5/28/2010
Lab ID:	10050726-002			Coll	ection D	ate 5/25/20	10
Client Sampl	e ID: AS-E1 05-25-10				Mati	rix: Filter	
Analyses		Result	RL	Qualifier	Units	DF	Date Analyzed
Particulate Ma		40 CFR 34100	2 PART 5	0 APP. J	Prep µg/filter	Date: 5/27/20	D10 Analyst: JP 5/28/2010
Lab ID:	10050726-003			Coll	ection D	eate 5/25/20	10
Client Sampl	e ID:AS-S1 05-25-10				Mati	rix: Filter	
Analyses		Result	RL	Qualifier	Units	DF	Date Analyzed

Lab ID:	10050726-004	Collection Date	5/25/2010
Client Sample ID	:AS-S1D 05-25-10	Matrix:	Filter

Result

30100

Particulate Matter in Air	40 CF	R PART 50 APP. J	Prep	Date: 5/27/2010	Analyst: JP
Particulate Matter (as PM10)	29000	100	ua/filter	1	5/28/2010

40 CFR PART 50 APP. J

100

Lab ID:	10050726-005	Collection Date	5/25/2010
Client Sample I	D: AS-W1 05-25-10	Matrix:	Filter

Analyses	Result	RL Qualifier	Units	DF	Date Analyzed
			_	_	

Particulate Matter in Air	40 CFR P	ART 50 APP. J	Prep [Analyst: JP				
Particulate Matter (as PM10)	76100	100	μg/filter	1	5/28/2010			

ND - Not Detected at the Reporting Limit

Qualifiers: J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

HT - Sample received past holding time

* - Non-accredited parameter

RL - $Reporting \, / \, Quantitation \, Limit for the analysis$

Prep Date: 5/27/2010

DF

µg/filter

RL Qualifier Units

Analyst: JP 5/28/2010

Date Analyzed

S - Spike Recovery outside accepted recovery limits

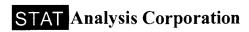
R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

STAT Analysis Corporation
22 42 W. Harrison, Suite 200, Chicago, Illinois 60612 Phone: (312) 733-0551 Fax: (312) 733-2386 AIHA, NVLAP and NELAP accredited e-mail address: STATinfo@STATAnalysis.com

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Sample Receipt Checklist

Client Name TETRA CHICAGO			Date and Tim	e Received:	5/27/2010 9:00:00 AM
Work Order Number 10050726	,		Received by:	KAL	i i
Checklist completed by: Signature	Date	5/27/10	Reviewed by:	Initials	5\21\10
Matrix:	Carrier name:	<u>FedEx</u>			
Shipping container/cooler in good condition?		Yes 🗸	No	Not Present	
Custody seals intact on shippping container/	cooler?	Yes	No	Not Present	
Custody seals intact on sample bottles?		Yes	No	Not Present 🗸	
Chain of custody present?		Yes 🖍	No		
Chain of custody signed when relinquished a	and received?	Yes 🗸	No		
Chain of custody agrees with sample labels/	containers?	Yes 🗸	No		
Samples in proper container/bottle?		Yes 🗸	No		
Sample containers intact?		Yes 🗸	No		
Sufficient sample volume for indicated test?		Yes 🗸	No Tri		
All samples received within holding time?		Yes 🗸	No .		
Container or Temp Blank temperature in con	npliance?	Yes 🗸	No i	Temperature	e Ambient °C
Water - VOA vials have zero headspace?	No VOA vials subm	nitted 🧗	Yes	No 📳	
Water - Samples pH checked?		Yes 🔝	No 🔚	Checked by:	
Water - Samples properly preserved?		Yes 🔝	No 🌃	pH Adjusted?	
Any No response must be detailed in the cor	mments section below.				
		-			
Comments:					
Client / Person contacted:	Date contacted:		Conta	acted by:	
Response:					
1 400				-	

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766
Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com
Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001;AIHA 101160; NVLAP LabCode 101202-0

June 14, 2010

Tetra Tech EM Inc. 1 South Wacker Drive 37th Floor

Chicago, IL 60606

Telephone: (312) 856-8700 Fax: (312) 938-0118

RE: 103DG9021053.05, OMC STAT Project No: 10060134

Dear Carol Nissen:

STAT Analysis received 5 samples for the referenced project on 6/7/2010 9:15:00 AM. The analytical results are presented in the following report.

All analyses were performed in accordance with the requirements of 35 IAC Part 186 / NELAC standards. Analyses were performed in accordance with methods as referenced on the analytical report. Those analytical results expressed on a dry weight basis are also noted on the analytical report.

All analyses were performed within established holding time criteria, and all Quality Control criteria met EPA or laboratory specifications except when noted in the Case Narrative or Analytical Report. If required, an estimate of uncertainty for the analyses can be provided. A listing of accredited methods/parameters can also be provided.

Thank you for the opportunity to serve you and I look forward to working with you in the future. If you have any questions regarding the enclosed materials, please contact me at (312) 733-0551.

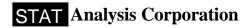
Sincerely,

Katelin Lewis

Project Mananger

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The information contained in this report and any attachments is confidential information intended only for the use of the individual or entities named above. The results of this report relate only to the samples tested. If you have received this report in error, please notify us immediately by phone. This report shall not be reproduced, except in its entirety, unless written approval has been obtained from the laboratory.



Date: June 14, 2010

Client: Tetra Tech EM Inc.

Lab Order: 10060134

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
10060134-001A	AS-E1 06-03-10		6/3/2010	6/7/2010
10060134-002A	AS-N1 06-03-10		6/3/2010	6/7/2010
10060134-003A	AS-W1 06-03-10		6/3/2010	6/7/2010
10060134-004A	AS-S1 06-03-10		6/3/2010	6/7/2010
10060134-005A	AS-S1D 06-03-10		6/3/2010	6/7/2010

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766 Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Date Reported: June 14, 2010 **Date Printed:** June 14, 2010

				D	ate Print	ted: June 14, 2	010
Client:	Tetra Tech EM Inc.						
Project:	103DG9021053.05, ON	ИC			Lab Ord	ler: 10060134	
Lab ID:	10060134-001			Coll	ection D	ate 6/3/2010	
Client Sample	e ID: AS-E1 06-03-10				Mat	rix: Air	
Analyses		Result	RL	Qualifier	Units	DF	Date Analyzed
Particulate Mar Particulate Matt		40 CFF 7700	R PART 5	0 APP. J	Prep µg/filter	Date: 6/7/2010	Analyst: JP 6/8/2010
Lab ID:	10060134-002			Coll	ection D	ate 6/3/2010	
Client Sample	e ID: AS-N1 06-03-10				Mat	rix: Air	
Analyses		Result	RL	Qualifier	Units	DF	Date Analyzed
Particulate Ma	tter in Air	40 CFF	R PART 5	0 APP. J	Prep	Date: 6/7/2010	Analyst: JP
Particulate Matt	ter (as PM10)	6500	100		μg/filter	1	6/8/2010
Lab ID:	10060134-003			Coll	ection D	ate 6/3/2010	
Client Sample	e ID: AS-W1 06-03-10				Mat	rix: Air	
Analyses		Result	RL	Qualifier	Units	DF	Date Analyzed
Particulate Ma	tter in Air	40 CFF	R PART 5	0 APP. J	Prep	Date: 6/7/2010	Analyst: JP
Particulate Matt	ter (as PM10)	13100	100		μg/filter	1	6/8/2010
Lab ID:	10060134-004			Coll	ection D	ate 6/3/2010	
Client Sample	e ID: AS-S1 06-03-10				Mat	rix: Air	
Analyses		Result	RL	Qualifier	Units	DF	Date Analyzed
Particulate Mar		40 CFF 17400	R PART 5	0 APP. J	Prep µg/filter	Date: 6/7/2010	Analyst: JP 6/8/2010
Lab ID:	10060134-005			Coll	ection D	eate 6/3/2010	
Client Sample	e ID: AS-S1D 06-03-10				Mat	rix: Air	
Analyses		Result	RL	Qualifier	Units	DF	Date Analyzed
Particulate Ma	tter in Air	40 CFF	R PART 5	0 APP. J	Prep	Date: 6/7/2010	Analyst: JP
Particulate Matt	ter (as PM10)	17600	100		μg/filter	1	6/8/2010

ND - Not Detected at the Reporting Limit

Qualifiers: J - Analyte detected below quantitation limits

 \boldsymbol{B} - Analyte detected in the associated Method Blank

HT - Sample received past holding time

* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis

S - Spike Recovery outside accepted recovery limits

B BBB and a second outside decepted recovery in

R - RPD outside accepted recovery limits
E - Value above quantitation range

H - Holding time exceeded

STAT Analysis Corporation
22 42 W. Harrison, Suite 200, Chicago, Illinois 60612 Phone: (312) 733-0551 Fax: (312) 733-2386 AIHA, NVLAP and NELAP accredited e-mail address: STATinfo@STATAnalysis.com

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Sample Receipt Checklist

Client Name TETRA CHICAGO			Date and Tim	e Received:	6/7/2010 9:15:00 AM
Work Order Number 10060134			Received by:	CDF	
Checklist completed by:	Date	6/7/10	Reviewed by:	Initials	6 7 10
Matrix:	Carrier name:	<u>FedEx</u>			
Shipping container/cooler in good conditi	ion?	Yes 🗹	No 🗌	Not Present	
Custody seals intact on shippping contain	ner/cooler?	Yes 🗌	No []	Not Present 📝	
Custody seals intact on sample bottles?		Yes 🗌	No 🛄	Not Present 🔽	
Chain of custody present?		Yes 🗸	No 🗌		
Chain of custody signed when relinquish	ed and received?	Yes 🗹	No 🗔		
Chain of custody agrees with sample lab	els/containers?	Yes 🗹	No 🗔		
Samples in proper container/bottle?		Yes 🗸	No 🗔		
Sample containers intact?		Yes 🗸	No 🗔	•	
Sufficient sample volume for indicated te	st?	Yes 🗹	No 🗔		
All samples received within holding time	?	Yes 🗹	No 🗌		
Container or Temp Blank temperature in	compliance?	Yes 🗹	No 🗌	Temperature	Ambient °C
Water - VOA vials have zero headspace	? No VOA vials subn	nitted	Yes 🗌	No 🛄	
Water - Samples pH checked?		Yes 🗀	No 🗌	Checked by:	
Water - Samples properly preserved?		Yes 🗌	No 🗔	pH Adjusted?**	
Anna Nie name name name i ben date 9 ad 15 die	and the second s			e Compete d	
Any No response must be detailed in the	comments section below.				
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Response:		<u></u>	- · · · · · · · · · · · · · · · · · · ·		

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766 Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-0

June 15, 2010

Tetra Tech EM Inc. 1 South Wacker Drive 37th Floor

Chicago, IL 60606

Telephone: (312) 856-8700

Fax:

(312) 938-0118

103DG9021.053.05, OMC, Waukegan, IL

STAT Project No: 10060298

Dear Carol Nissen:

STAT Analysis received 5 samples for the referenced project on 6/11/2010 12:00:00 PM. The analytical results are presented in the following report.

All analyses were performed in accordance with the requirements of 35 IAC Part 186 / NELAC standards. Analyses were performed in accordance with methods as referenced on the analytical report. Those analytical results expressed on a dry weight basis are also noted on the analytical report.

All analyses were performed within established holding time criteria, and all Quality Control criteria met EPA or laboratory specifications except when noted in the Case Narrative or Analytical Report. If required, an estimate of uncertainty for the analyses can be provided. A listing of accredited methods/parameters can also be provided.

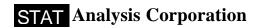
Thank you for the opportunity to serve you and I look forward to working with you in the future. If you have any questions regarding the enclosed materials, please contact me at (312) 733-0551.

Gation Siamen Sincerely,

Catia Giannini

Project Manager

The information contained in this report and any attachments is confidential information intended only for the use of the individual or entities named above. The results of this report relate only to the samples tested. If you have received this report in error, please notify us immediately by phone. This report shall not be reproduced, except in its entirety, unless written approval has been obtained from the laboratory.



Date: June 15, 2010

Client: Tetra Tech EM Inc.

Project: 103DG9021.053.05, OMC, Waukegan, IL Work Order Sample Summary

Lab Order: 10060298

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
10060298-001A	AS-W1-060910		6/9/2010	6/11/2010
10060298-002A	AS-N1-060910		6/9/2010	6/11/2010
10060298-003A	AS-E1-060910		6/9/2010	6/11/2010
10060298-004A	AS-S1-060910		6/9/2010	6/11/2010
10060298-005A	AS-S1D-060910		6/9/2010	6/11/2010

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766 Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-0

Date Reported: June 15, 2010 **Date Printed:** June 15, 2010

Client: Tetra Tech EM Inc.

Project: 103DG9021.053.05, OMC, Waukegan, IL **Lab Order:** 10060298

Lab ID: 10060298-001 **Collection Date:** 6/9/2010

Client Sample ID: AS-W1-060910 Matrix: Air

Analyses Result RL Qualifier Units DF Date Analyzed

Particulate Matter in Air

Particulate Matter (as PM10)

40 CFR PART 50 APP. J

Prep Date: 6/11/2010

Analyst: JP

40 CFR PART 50 APP. J

pg/filter 1

6/14/2010

Lab ID: 10060298-002 **Collection Date:** 6/9/2010

Client Sample ID: AS-N1-060910 Matrix: Air

Analyses Result RL Qualifier Units DF Date Analyzed

 Particulate Matter in Air
 40 CFR PART 50 APP. J
 Prep Date: 6/11/2010
 Analyst: JP

 Particulate Matter (as PM10)
 24400
 100
 μg/filter
 1
 6/14/2010

Lab ID: 10060298-003 **Collection Date:** 6/9/2010

Client Sample ID: AS-E1-060910 Matrix: Air

Analyses Result RL Qualifier Units DF Date Analyzed

Particulate Matter in Air

Particulate Matter (as PM10)

40 CFR PART 50 APP. J

Prep Date: 6/11/2010

Analyst: JP

40 CFR PART 50 APP. J

Prep Date: 6/11/2010

6/14/2010

Lab ID: 10060298-004 **Collection Date:** 6/9/2010

Client Sample ID: AS-S1-060910 Matrix: Air

Analyses Result RL Qualifier Units DF Date Analyzed

Particulate Matter in Air
Particulate Matter (as PM10)

40 CFR PART 50 APP. J
Prep Date: 6/11/2010
Analyst: JP
particulate Matter (as PM10)

50900

100

µg/filter
1

6/14/2010

Lab ID: 10060298-005 **Collection Date:** 6/9/2010

Client Sample ID: AS-S1D-060910 Matrix: Air

Analyses Result RL Qualifier Units DF Date Analyzed

Particulate Matter in Air

40 CFR PART 50 APP. J Prep Date: 6/11/2010 Analyst: JP

Particulate Matter (as PM10) 53600 100 µg/filter 1 6/14/2010

ND - Not Detected at the Reporting Limit

Qualifiers: J - Analyte detected below quantitation limits S - Spike Recovery outside accepted recovery limits

B - Analyte detected in the associated Method Blank

R - RPD outside accepted recovery limits

RL - Reporting / Quantitation Limit for the analysis

HT - Sample received past holding time E - Value above quantitation range

* - Non-accredited parameter H - Holding time exceeded

STAT Analysis Corporation
2242 W. Harrison, Suite 200, Chicago, Illinois 60612 Phone: (312) 733-0551 Fax: (312) 733-2386 e-mail address: STATinfo(aSTA TAnalysis.com AlHA, NVLAP and NELAP accredited

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Relinquished by: (Signature)			Date/Time: Pr				Preservation Code: A = None B = HNO ₃ C = NaOH							Temperatur	e: , ,	. rc						
Received by: (Signature)			Date/Time:					$D = H_2SO_4$ $E = HCI$ $F = 5035/EnCore$ $G = Other$								4 Horizont						

Sample Receipt Checklist

Client Name TETRA CHICAGO	_			Date and Tim	e Received:	6/11/2010 12:00:00 PM
Work Order Number 10060298				Received by:	CDF	
Checklist completed by:	Date	c/ly	40	Reviewed by:	Initials	6/14/10
Matrix.	Carrier name:	FedE	<u>x</u>			
Shipping container/cooler in good condition?		Yes	✓	No 🗌	Not Present	
Custody seals intact on shippping container/coo	ler?	Yes		No 🗌	Not Present 🗹	
Custody seals intact on sample bottles?		Yes		No 🗌	Not Present 🗹	
Chain of custody present?		Yes	\checkmark	No \square		
Chain of custody signed when relinquished and	received?	Yes	✓	No 🗔		
Chain of custody agrees with sample labels/con	tainers?	Yes	V	No 🗔		
Samples in proper container/bottle?		Yes	\checkmark	No 🗀		
Sample containers intact?		Yes	✓	No 🗔		
Sufficient sample volume for indicated test?		Yes	✓	No 🗌		
All samples received within holding time?		Yes	✓	No 🗔		
Container or Temp Blank temperature in complia	ance?	Yes	✓	No 🗌	Temperatu	re Ambient °C
Water - VOA vials have zero headspace?	No VOA vials subn	nitted		Yes	No 🛅	
Water - Samples pH checked?		Yes	251	No 🗌	Checked by:	
Water - Samples properly preserved?		Yes		No 🗀	pH Adjusted?	
Any No response must be detailed in the commo	ents section below.					
Comments:						
Client / Person contacted:	Date contacted:			Conta	acted by:	
Response:						

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-0

STAT Project No: 10060494

June 23, 2010

Tetra Tech EM Inc. 1 South Wacker Drive 37th Floor Chicago, IL 60606

Telephone: (312) 946-6474 Fax: (312) 938-0118

RE: 103DG902105305, OMC, Waukegan, IL

Dear Tom Hahne:

STAT Analysis received 5 samples for the referenced project on 6/18/2010 12:00:00 PM. The analytical results are presented in the following report.

All analyses were performed in accordance with the requirements of 35 IAC Part 186 / NELAC standards. Analyses were performed in accordance with methods as referenced on the analytical report. Those analytical results expressed on a dry weight basis are also noted on the analytical report.

All analyses were performed within established holding time criteria, and all Quality Control criteria met EPA or laboratory specifications except when noted in the Case Narrative or Analytical Report. If required, an estimate of uncertainty for the analyses can be provided. A listing of accredited methods/parameters can also be provided.

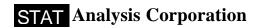
Thank you for the opportunity to serve you and I look forward to working with you in the future. If you have any questions regarding the enclosed materials, please contact me at (312) 733-0551.

Sincerely,

Catia Giannini

Project Manager

The information contained in this report and any attachments is confidential information intended only for the use of the individual or entities named above. The results of this report relate only to the samples tested. If you have received this report in error, please notify us immediately by phone. This report shall not be reproduced, except in its entirety, unless written approval has been obtained from the laboratory.



Date: June 23, 2010

Client: Tetra Tech EM Inc.

Project: 103DG902105305, OMC, Waukegan, IL Work Order Sample Summary

Lab Order: 10060494

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
10060494-001A	AS-W1-061610		6/16/2010	6/18/2010
10060494-002A	AS-E1-061610		6/16/2010	6/18/2010
10060494-003A	AS-N1-061610		6/16/2010	6/18/2010
10060494-004A	AS-S1-061610		6/16/2010	6/18/2010
10060494-005A	AS-SID-061610		6/16/2010	6/18/2010

Date: June 23, 2010

CLIENT: Tetra Tech EM Inc.

Project: 103DG902105305, OMC, Waukegan, IL CASE NARRATIVE

Lab Order: 10060494

The following filters were received damaged and/or torn: AS-SID-061610 (10060494-005)

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766 Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-0

Date Reported: June 23, 2010 **Date Printed:** June 23, 2010

Client: Tetra Tech EM Inc.

Project: 103DG902105305, OMC, Waukegan, IL 10060494 Lab Order:

Lab ID: 10060494-001 Collection Date: 6/16/2010

Client Sample ID: AS-W1-061610 Matrix: Filter Result

Qualifier Units DF Analyses **Date Analyzed**

Particulate Matter in Air 40 CFR PART 50 APP. J Prep Date: 6/18/2010 Analyst: JP Particulate Matter (as PM10) 11900 100 µg/filter 6/21/2010

Lab ID: 10060494-002 Collection Date: 6/16/2010

Client Sample ID: AS-E1-061610 Matrix: Filter

Analyses Result **RL Qualifier Units** DF **Date Analyzed**

Particulate Matter in Air 40 CFR PART 50 APP. J Prep Date: 6/18/2010 Analyst: JP Particulate Matter (as PM10) 10500 100 6/21/2010

10060494-003 Collection Date: 6/16/2010 Lab ID:

Matrix: Filter Client Sample ID: AS-N1-061610

Result **Qualifier Units** DF Analyses RL **Date Analyzed**

Particulate Matter in Air 40 CFR PART 50 APP. J Prep Date: 6/18/2010 Analyst: JP Particulate Matter (as PM10) 11100 100 µg/filter 6/21/2010

10060494-004 Lab ID: Collection Date: 6/16/2010

Client Sample ID: AS-S1-061610 Matrix: Filter

Result RLQualifier Units DF **Date Analyzed** Analyses

40 CFR PART 50 APP. J **Particulate Matter in Air** Prep Date: 6/18/2010 Analyst: JP Particulate Matter (as PM10) 26300 100 µg/filter 6/21/2010

10060494-005 Collection Date: 6/16/2010 Lab ID: Client Sample ID: AS-SID-061610 Matrix: Filter

DF Result RLQualifier Units Analyses **Date Analyzed**

40 CFR PART 50 APP. J Particulate Matter in Air Prep Date: 6/18/2010 Analyst: JP

Particulate Matter (as PM10) 26200 100 µg/filter 6/21/2010

ND - Not Detected at the Reporting Limit

Qualifiers: J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits

RL - Reporting / Quantitation Limit for the analysis

B - Analyte detected in the associated Method Blank R - RPD outside accepted recovery limits HT - Sample received past holding time E - Value above quantitation range

* - Non-accredited parameter H - Holding time exceeded STAT Analysis Corporation
2242 W. Harrison, Suite 200, Chicago, Illinois 60612 Phone: (312) 733-0551 Fax: (312) 733-2386 e-mail address: STATinfo@STATAnalysis.com AIHA, NVLAP and NELAP accredited

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Sample Receipt Checklist

Client Name TETRA CHICAGO		Date and Time Received: 0/18/2010 12:00:00 PM						
Work Order Number 10060494	01.	Received by:	MUS	: 1				
Checklist completed by: Signature Date	0/18/10	Reviewed by:	initials CC	6/21/10				
Matrix: Carrier name	<u>FedEx</u>							
Shipping container/cooler in good condition?	Yes 🗹	No 🗍	Not Present					
Custody seals intact on shippping container/cooler?	Yes	No 🗔	Not Present 🔣					
Custody seals intact on sample bottles?	Yes \square	No 🗔	Mot Present 🗹					
Chain of custody present?	Yes 🗹	No 🗀						
Chain of custody signed when relinquished and received?	Yes 🗹	No 🗔						
Chain of custody agrees with sample labels/containers?	Yes 🗹	№ □						
Samples in proper container/bottle?	Yes 🗸	No 🗒 🐪	. · · · * A					
Sample containers intact?	Yes 🗸	No 🗒						
Sufficient sample volume for indicated test?	Yes 🗹	No Emily						
All samples received within holding time?	Yes 🗹	No 🗀	*	+ r*				
Container or Temp Blank temperature in compliance?	Yes 🗹	No []	Teranoratua	mambient °C				
Water - VOA vials have zero headspace? No VOA vials subm	nitted 🔲	Yes 🗌	[] c!1					
Water - Samples pH checked?	Yes	No 🗔	Checked by:					
Water - Samples properly preserved?	Yes 🔝	No 🛄	pH Adjus 357 8					
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Any No response must be detailed in the comments section below.								
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Comments:		****						

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Client / Person contacted: Date contacted:	÷	Call Genta	ected by:					
Response:			्र विकास्तुवर्ग					
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2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-0

July 01, 2010

Tetra Tech EM Inc. 1 South Wacker Drive 37th Floor

Chicago, IL 60606

Telephone: (312) 856-8700 Fax: (312) 938-0118

RE: 103DG9021053.05, OMC, Waukegan, IL STAT Project No: 10060755

Dear Carol Nissen:

STAT Analysis received 5 samples for the referenced project on 6/28/2010 9:30:00 AM. The analytical results are presented in the following report.

All analyses were performed in accordance with the requirements of 35 IAC Part 186 / NELAC standards. Analyses were performed in accordance with methods as referenced on the analytical report. Those analytical results expressed on a dry weight basis are also noted on the analytical report.

All analyses were performed within established holding time criteria, and all Quality Control criteria met EPA or laboratory specifications except when noted in the Case Narrative or Analytical Report. If required, an estimate of uncertainty for the analyses can be provided. A listing of accredited methods/parameters can also be provided.

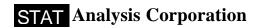
Thank you for the opportunity to serve you and I look forward to working with you in the future. If you have any questions regarding the enclosed materials, please contact me at (312) 733-0551.

Sincerely, Satial Sammi

Catia Giannini

Project Manager

The information contained in this report and any attachments is confidential information intended only for the use of the individual or entities named above. The results of this report relate only to the samples tested. If you have received this report in error, please notify us immediately by phone. This report shall not be reproduced, except in its entirety, unless written approval has been obtained from the laboratory.



Date: July 01, 2010

Client: Tetra Tech EM Inc.

Project: 103DG9021053.05, OMC, Waukegan, IL Work Order Sample Summary

Lab Order: 10060755

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
10060755-001A	AS-E1-062410		6/24/2010	6/28/2010
10060755-002A	AS-W1-062410		6/24/2010	6/28/2010
10060755-003A	AS-N1-062410		6/24/2010	6/28/2010
10060755-004A	AS-S1-062410		6/24/2010	6/28/2010
10060755-005A	AS-S1D-062410		6/24/2010	6/28/2010

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766 Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-0

Date Reported: July 01, 2010 **Date Printed:** July 01, 2010

Client: Tetra Tech EM Inc.

Project: 103DG9021053.05, OMC, Waukegan, IL **Lab Order:** 10060755

Lab ID: 10060755-001 **Collection Date:** 6/24/2010

Client Sample ID: AS-E1-062410 Matrix: Air

Analyses Result RL Qualifier Units DF Date Analyzed

Particulate Matter in Air

Particulate Matter (as PM10)

40 CFR PART 50 APP. J

Prep Date: 6/28/2010

Analyst: JP

40 CFR PART 50 APP. J

pg/filter 1

6/30/2010

Lab ID: 10060755-002 **Collection Date:** 6/24/2010

Client Sample ID: AS-W1-062410 Matrix: Air

Analyses Result RL Qualifier Units DF Date Analyzed

 Particulate Matter in Air
 40 CFR PART 50 APP. J
 Prep Date: 6/28/2010
 Analyst: JP

 Particulate Matter (as PM10)
 16400
 100
 μg/filter
 1
 6/30/2010

Lab ID: 10060755-003 **Collection Date:** 6/24/2010

Client Sample ID: AS-N1-062410 Matrix: Air

Analyses Result RL Qualifier Units DF Date Analyzed

Particulate Matter in Air

Particulate Matter (as PM10)

40 CFR PART 50 APP. J

Prep Date: 6/28/2010

Analyst: JP

12000

100

µg/filter

1

6/30/2010

Lab ID: 10060755-004 **Collection Date:** 6/24/2010

Client Sample ID: AS-S1-062410 Matrix: Air

Analyses Result RL Qualifier Units DF Date Analyzed

Particulate Matter in Air
Particulate Matter (as PM10)

40 CFR PART 50 APP. J
Prep Date: 6/28/2010
Analyst: JP
particulate Matter (as PM10)

54600

100

µg/filter
1

6/30/2010

Lab ID: 10060755-005 **Collection Date:** 6/24/2010

Client Sample ID: AS-S1D-062410 Matrix: Air

Analyses Result RL Qualifier Units DF Date Analyzed

Particulate Matter in Air

40 CFR PART 50 APP. J Prep Date: 6/28/2010 Analyst: JP

Particulate Matter (as PM10) 53700 100 μg/filter 1 6/30/2010

ND - Not Detected at the Reporting Limit

Qualifiers: J - Analyte detected below quantitation limits S - Spike Recovery outsi

B - Analyte detected in the associated Method Blank

HT - Sample received past holding time

 \ast - Non-accredited parameter

RL - $Reporting\ /\ Quantitation\ Limit\ for\ the\ analysis$

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

(Signature)

Received by: (Sigmature)

22 42 W. Harrison, Suite 200, Chicago, Illinois 60612 Phone: (312) 733-0551 Fax: (312) 733-2386 e-mail address: STATinfo@STATAnalysis.com AIHA, NVLAP and NELAP accredited N° : 831269 Page: **CHAIN OF CUSTODY RECORD** of Company: Tetra Tech - Sulhac P.O. No.: Project Number: ゆうしいううこんちょうち Client Tracking No.: Project Name: STAC Ouote No.: Project Location: I such eq in 14 Sampler(s): Report To: Fry Frehne Phone: Turn Around Fax: Lan. 1011 OC Level: 1 Results Needed e-mail: Comp. Time Grab No. of am/pm Client Samp le Number/Description: Date Taken Taken Containers Remarks Lab No.: AS-E1 - 062410 6 24 10 Filter 001 AS-NI - 562410 X 200 AS-N1-062410 യമ3 AS. ST -062410 004 AS SID-062410 005 lowni Dezu Date/Time: 6 20 16 50 Laboratory Work Order No.: Relinquished by: (Signature) Comments:

Received by: (Signature)

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Date/Time: 6/26/10 930

Date/Time: 6/26/10 930

Received by: (Signature)

Date/Time: Date/Time:

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Date/Time:

Preservation Code: A = None B = HNO₃ C = NaOH D = H_2SO_4 E = HCl F = 5035/EnCore G = Other

10060755

Received on Ice: Yes No

Sample Receipt Checklist

Client Name TETRA CHICAGO		Date and Time Received: 6/28/2010 9:30:00 AM					
Work Order Number 10060755		Received by:	CDF	1.			
Checklist completed by: Date Date	6/26/19	Reviewed by:	Initials	$\left(\sqrt{201 100} \right)$			
Matrix: Carrier name	: <u>FedEx</u>						
Shipping container/cooler in good condition?	Yes 🗸	No :	Not Present				
Custody seals intact on shippping container/cooler?	Yes	No	Not Present .▼	•			
Custody seals intact on sample bottles?	Yes	No	Not Present	/ I			
Chain of custody present?	Yes 🗸	No					
Chain of custody signed when relinquished and received?	Yes 🗸	No !					
Chain of custody agrees with sample labels/containers?	Yes 🗸	No .					
Samples in proper container/bottle?	Yes 🗸	No					
Sample containers intact?	Yes 🗸	No 2					
Sufficient sample volume for indicated test?	Yes ✔	No					
All samples received within holding time?	Yes 🗸	No					
Container or Temp Blank temperature in compliance?	Yes 🗸	No	Tempera	ture Ambient °C			
Water - VOA vials have zero headspace? No VOA vials sub	bmitted	Yes	No 1 co				
Water - Samples pH checked?	Yes	No 📟	Checked by:				
Water - Samples properly preserved?	Yes	No 🔯	pH Adjusted?				
Any No response must be detailed in the comments section below.							
Comments:							
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Client / Person Contacted: Date contacted:		Conta	acted by:				
Response:		<u> </u>					

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-0

July 09, 2010

Tetra Tech EM Inc. 1 South Wacker Drive 37th Floor

Chicago, IL 60606

Telephone: (312) 946-6474 Fax: (312) 938-0118

RE: 103DG9021053.05, OMC, Waukegan, IL STAT Project No: 10070070

Dear Tom Hahne:

STAT Analysis received 5 samples for the referenced project on 7/2/2010 9:13:00 AM. The analytical results are presented in the following report.

All analyses were performed in accordance with the requirements of 35 IAC Part 186 / NELAC standards. Analyses were performed in accordance with methods as referenced on the analytical report. Those analytical results expressed on a dry weight basis are also noted on the analytical report.

All analyses were performed within established holding time criteria, and all Quality Control criteria met EPA or laboratory specifications except when noted in the Case Narrative or Analytical Report. If required, an estimate of uncertainty for the analyses can be provided. A listing of accredited methods/parameters can also be provided.

Thank you for the opportunity to serve you and I look forward to working with you in the future. If you have any questions regarding the enclosed materials, please contact me at (312) 733-0551.

Sincerely,

Catia Giannini

Project Manager

The information contained in this report and any attachments is confidential information intended only for the use of the individual or entities named above. The results of this report relate only to the samples tested. If you have received this report in error, please notify us immediately by phone. This report shall not be reproduced, except in its entirety, unless written approval has been obtained from the laboratory.

Date: July 09, 2010

Client: Tetra Tech EM Inc.

Project: 103DG9021053.05, OMC, Waukegan, IL Work Order Sample Summary

Lab Order: 10070070

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
10070070-001A	AS-WI-063010		6/30/2010	7/2/2010
10070070-002A	AS-NI-063010		6/30/2010	7/2/2010
10070070-003A	AS-EI-063010		6/30/2010	7/2/2010
10070070-004A	AS-SI-063010		6/30/2010	7/2/2010
10070070-005A	AS-SID-063010		6/30/2010	7/2/2010

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766 Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-0

Date Reported: July 09, 2010 **Date Printed:** July 09, 2010

Client: Tetra Tech EM Inc.

Project: 103DG9021053.05, OMC, Waukegan, IL **Lab Order:** 10070070

Lab ID: 10070070-001 **Collection Date:** 6/30/2010

Client Sample ID: AS-WI-063010 Matrix: Filter

Analyses Result RL Qualifier Units DF

Analyses Result RL Qualifier Units DF Date Analyzed

Particulate Matter in Air

Particulate Matter (as PM10)

40 CFR PART 50 APP. J

Prep Date: 7/2/2010

Analyst: JP

particulate Matter (as PM10)

25700

100

µg/filter

1

7/6/2010

Lab ID: 10070070-002 **Collection Date:** 6/30/2010

Client Sample ID: AS-NI-063010 Matrix: Filter

Analyses Result RL Qualifier Units DF Date Analyzed

 Particulate Matter in Air
 40 CFR PART 50 APP. J
 Prep Date: 7/2/2010
 Analyst: JP

 Particulate Matter (as PM10)
 12600
 100
 μg/filter
 1
 7/6/2010

Lab ID: 10070070-003 **Collection Date:** 6/30/2010

Client Sample ID: AS-EI-063010 Matrix: Filter

Analyses Result RL Qualifier Units DF Date Analyzed

Particulate Matter in Air
Particulate Matter (as PM10)

40 CFR PART 50 APP. J
Prep Date: 7/2/2010
Analyst: JP
prep Date: 7/6/2010

Lab ID: 10070070-004 **Collection Date:** 6/30/2010

Client Sample ID: AS-SI-063010 Matrix: Filter

Analyses Result RL Qualifier Units DF Date Analyzed

Particulate Matter in Air

Particulate Matter (as PM10)

40 CFR PART 50 APP. J

Prep Date: 7/2/2010

Analyst: JP

40 CFR PART 50 APP. J

Prep Date: 7/2/2010

Analyst: JP

7/6/2010

Farticulate Matter (as FMTO) 01300 100 μg/litter 1 1/0/2010

 Lab ID:
 10070070-005
 Collection Date:
 6/30/2010

 Client Sample ID:
 AS-SID-063010
 Matrix:
 Filter

Analyses Result RL Qualifier Units DF Date Analyzed

Particulate Matter in Air
Particulate Matter (as PM10)

40 CFR PART 50 APP. J
Prep Date: 7/2/2010
Analyst: JP
particulate Matter (as PM10)
Analyst: JP

ND - Not Detected at the Reporting Limit

Qualifiers: J - Analyte detected below quantitation limits S - Spike Recovery outside accepted recovery limits

Analyte detected below quantitation films S - Spike Recovery outside accepted recovery films

RL - Reporting / Quantitation Limit for the analysis

B - Analyte detected in the associated Method Blank
HT - Sample received past holding time
E - Value above quantitation range

* - Non-accredited parameter H - Holding time exceeded

STAT Analysis Corporation
22-42 W. Harrison, Suite 200, Chi cago, Illinois 60612 Phone: (312) 733-0551 Fax: (312) 733-2386 e-mail address: STATinfo(a STATAnalysis.com AIHA, NVLAP and NELAP accredited

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Sample Receipt Checklist

Client Name TETRA CHICAGO				Date and Time	e Receiv	ved:	7/2/2010 9:13:00 AM
Work Order Number 10070070				Received by:	С	IG	
Checklist completed by: Signature	Date	7/	2/10	Reviewed by:	Initials	W	7/6/10 Date
Matrix:	Carrier name	<u>FedE</u>	×				
Shipping container/cooler in good condition?		Yes	· •	No :	Not Pre	sent	
Custody seals intact on shippping container/coo	ler?	Yes		No	Not Pre	sent 🗸	
Custody seals intact on sample bottles?		Yes	!	No	Not Pre	sent 🗸	
Chain of custody present?		Yes	✓	No			
Chain of custody signed when relinquished and	received?	Yes	✓	No			
Chain of custody agrees with sample labels/con	tainers?	Yes	✓	No			
Samples in proper container/bottle?		Yes	~	No .			
Sample containers intact?		Yes	✓	No a series			
Sufficient sample volume for indicated test?		Yes	✓.	No 2 au			
All samples received within holding time?		Yes	~ !	No .			
Container or Temp Blank temperature in complia	ance?	Yes	,~	No	T	emperature	Ambient °C
Water - VOA vials have zero headspace?	No VOA vials subm	nitted		Yes	N	o 🔝	
Water - Samples pH checked?		Yes		No 🚟	Check	ed by:	
Water - Samples properly preserved?		Yes		No 🎨	pH Adju	usted?	
Any No response must be detailed in the commo	ents section below.						
Comments:							
Client / Person contacted:	Date contacted:			Conta	acted by	:	
Response:							

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766
Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com
Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-0

July 19, 2010

Tetra Tech EM Inc. 1 South Wacker Drive 37th Floor

Chicago, IL 60606

Telephone: (312) 856-8700 Fax: (312) 938-0118

RE: 103DG9021053.05,OMC, Waukegan STAT Project No: 10070421

Dear Carol Nissen:

STAT Analysis received 5 samples for the referenced project on 7/14/2010 9:30:00 AM. The analytical results are presented in the following report.

All analyses were performed in accordance with the requirements of 35 IAC Part 186 / NELAC standards. Analyses were performed in accordance with methods as referenced on the analytical report. Those analytical results expressed on a dry weight basis are also noted on the analytical report.

All analyses were performed within established holding time criteria, and all Quality Control criteria met EPA or laboratory specifications except when noted in the Case Narrative or Analytical Report. If required, an estimate of uncertainty for the analyses can be provided. A listing of accredited methods/parameters can also be provided.

Thank you for the opportunity to serve you and I look forward to working with you in the future. If you have any questions regarding the enclosed materials, please contact me at (312) 733-0551.

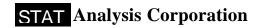
Sincerely,

lated Acanonic

Catia Giannini

Project Manager

The information contained in this report and any attachments is confidential information intended only for the use of the individual or entities named above. The results of this report relate only to the samples tested. If you have received this report in error, please notify us immediately by phone. This report shall not be reproduced, except in its entirety, unless written approval has been obtained from the laboratory.



Date: July 19, 2010

Client: Tetra Tech EM Inc.

Project: 103DG9021053.05, OMC, Waukegan Work Order Sample Summary

Lab Order: 10070421

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
10070421-001A	AS-E1-07-12-10		7/12/2010	7/14/2010
10070421-002A	AS-N1-07-12-10		7/12/2010	7/14/2010
10070421-003A	AS-W1-07-12-10		7/12/2010	7/14/2010
10070421-004A	AS-S1-07-12-10		7/12/2010	7/14/2010
10070421-005A	AS-S1D-07-12-10		7/12/2010	7/14/2010

Date: July 19, 2010

CLIENT: Tetra Tech EM Inc.

Project: 103DG9021053.05, OMC, Waukegan CASE NARRATIVE

Lab Order: 10070421

The following filters were received damaged and/or torn: AS-W1-07-12-10 (10070421-002).

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766 Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-0

Date Reported: July 19, 2010 **Date Printed:** July 19, 2010

Client: Tetra Tech EM Inc.

Project: 10070421 103DG9021053.05, OMC, Waukegan Lab Order:

Lab ID: 10070421-001 Collection Date: 7/12/2010

Client Sample ID: AS-E1-07-12-10 Matrix: Air

Result Qualifier Units DF Analyses **Date Analyzed**

Particulate Matter in Air 40 CFR PART 50 APP. J Prep Date: 7/14/2010 Analyst: JP Particulate Matter (as PM10) 19300 100 µg/filter 7/16/2010

Lab ID: 10070421-002 Collection Date: 7/12/2010

Client Sample ID: AS-N1-07-12-10 Matrix: Air

Analyses Result **RL Qualifier Units** DF **Date Analyzed**

Particulate Matter in Air 40 CFR PART 50 APP. J Prep Date: 7/14/2010 Analyst: JP Particulate Matter (as PM10) 18800 100 7/16/2010

10070421-003 Collection Date: 7/12/2010 Lab ID:

Client Sample ID: AS-W1-07-12-10 Matrix: Air

Result **Qualifier Units** DF Analyses RL **Date Analyzed**

Particulate Matter in Air 40 CFR PART 50 APP. J Prep Date: 7/14/2010 Analyst: JP Particulate Matter (as PM10) 20500 100 µg/filter 7/16/2010

Collection Date: 7/12/2010 Lab ID: 10070421-004

Client Sample ID: AS-S1-07-12-10 Matrix: Air

Result RLQualifier Units DF **Date Analyzed** Analyses

40 CFR PART 50 APP. J **Particulate Matter in Air** Prep Date: 7/14/2010 Analyst: JP Particulate Matter (as PM10) 26600 100 µg/filter 7/16/2010

Collection Date: 7/12/2010 Lab ID: 10070421-005 Client Sample ID: AS-S1D-07-12-10 Matrix: Air

DF Result RLQualifier Units Analyses **Date Analyzed**

Particulate Matter in Air 40 CFR PART 50 APP. J Prep Date: 7/14/2010 Analyst: JP

Particulate Matter (as PM10) 27400 100 µg/filter 7/16/2010

ND - Not Detected at the Reporting Limit

Qualifiers: J - Analyte detected below quantitation limits S - Spike Recovery outside accepted recovery limits

RL - Reporting / Quantitation Limit for the analysis

B - Analyte detected in the associated Method Blank R - RPD outside accepted recovery limits HT - Sample received past holding time E - Value above quantitation range

* - Non-accredited parameter H - Holding time exceeded STAT Analysis Corporation
2242 W. Harrison, Suite 200, Chicago, Illinois 60612 Phone: (312) 733-0551 Fax: (312) 733-2386 e-mail address: STATinfo@STATAnalysis.com AIHA, NVLAP and NELAP accredited

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Sample Receipt Checklist

Client Name TETRA CHICAGO		Date and Time	e Received:	7/14/2010 9:30:00 AM
Work Order Number 10070421		Received by:	CDF	•
Checklist completed by: Signature	7/14/11) Date	Reviewed by:	Initials (US	7 (15) 10
Matrix: Carrier n	ame: <u>FedEx</u>			
Spripping container/cooler in good condition?	Yes 🗸	No	Not Present	
Custody seals intact on shippping container/cooler?	Yes	No	Not Present	
Custody seals intact on sample bottles?	Yes	No	Not Present	
Chain of custody present?	Yes 🗸	No la		
Chain of custody signed when relinquished and received?	Yes 🗸	No		
Chain of custody agrees with sample labels/containers?	Yes 🗸	No		
Samples in proper container/bottle?	Yes 🗸	No		
Sample containers intact?	Yes 🛂	No		
Sufficient sample volume for indicated test?	Yes 🗸	No Î		
All samples received within holding time?	Yes 🗸	No 🗀		
Container or Temp Blank temperature in compliance?	Yes 🗸	No	Temperatur	e Ambient °C
Water - VOA vials have zero headspace? No VOA vials	s submitted	Yes 🐃	No	
Water - Samples pH checked?	Yes	No 🕮	Checked by:	
Water - Samples properly preserved?	Yes	No 🔝	pH Adjusted?	
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Client / Person contacted: Date contacted	d:	Conta	acted by:	

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-0

July 26, 2010

Tetra Tech EM Inc. 1 South Wacker Drive 37th Floor

Chicago, IL 60606

Telephone: (312) 946-6474 Fax: (312) 938-0118

RE: 103DG69021053.05, OMC, Waukegan STAT Project No: 10070642

Dear Tom Hahne:

STAT Analysis received 5 samples for the referenced project on 7/21/2010 9:00:00 AM. The analytical results are presented in the following report.

All analyses were performed in accordance with the requirements of 35 IAC Part 186 / NELAC standards. Analyses were performed in accordance with methods as referenced on the analytical report. Those analytical results expressed on a dry weight basis are also noted on the analytical report.

All analyses were performed within established holding time criteria, and all Quality Control criteria met EPA or laboratory specifications except when noted in the Case Narrative or Analytical Report. If required, an estimate of uncertainty for the analyses can be provided. A listing of accredited methods/parameters can also be provided.

Thank you for the opportunity to serve you and I look forward to working with you in the future. If you have any questions regarding the enclosed materials, please contact me at (312) 733-0551.

Sincerely,

Gatia Aiani

Catia Giannini

Project Manager

The information contained in this report and any attachments is confidential information intended only for the use of the individual or entities named above. The results of this report relate only to the samples tested. If you have received this report in error, please notify us immediately by phone. This report shall not be reproduced, except in its entirety, unless written approval has been obtained from the laboratory.



Date: July 26, 2010

Client: Tetra Tech EM Inc.

Project: 103DG69021053.05, OMC, Waukegan Work Order Sample Summary

Lab Order: 10070642

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
10070642-001A	AS-E1-07-19-10		7/19/2010	7/21/2010
10070642-002A	AS-N1-07-19-10		7/19/2010	7/21/2010
10070642-003A	AS-W1-07-19-10		7/19/2010	7/21/2010
10070642-004A	AS-S1-07-19-10		7/19/2010	7/21/2010
10070642-005A	AS-SID-07-19-10		7/19/2010	7/21/2010

Date: July 26, 2010

CLIENT: Tetra Tech EM Inc.

Project: 103DG69021053.05, OMC, Waukegan CASE NARRATIVE

Lab Order: 10070642

The following filters were received damaged and/or torn:

AS-E1-07-19-10 (10070642-001)

AS-W1-07-19-10 (10070642-003)

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766 Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-0

Date Reported: July 26, 2010 **Date Printed:** July 26, 2010

Client: Tetra Tech EM Inc.

Project: 10070642 103DG69021053.05, OMC, Waukegan Lab Order:

Lab ID: 10070642-001 Collection Date: 7/19/2010

Client Sample ID: AS-E1-07-19-10 Matrix: Filter

Result Qualifier Units DF Analyses **Date Analyzed**

Particulate Matter in Air 40 CFR PART 50 APP. J Prep Date: 7/21/2010 Analyst: JP

Particulate Matter (as PM10) 9600 100 µg/filter 7/22/2010

Lab ID: 10070642-002 Collection Date: 7/19/2010

Client Sample ID: AS-N1-07-19-10 Matrix: Filter

Analyses Result **RL Qualifier Units** DF **Date Analyzed**

Particulate Matter in Air 40 CFR PART 50 APP. J Prep Date: 7/21/2010 Analyst: JP Particulate Matter (as PM10) 12100 100 7/22/2010

10070642-003 Collection Date: 7/19/2010 Lab ID:

Client Sample ID: AS-W1-07-19-10 Matrix: Filter

Result **Qualifier Units** DF Analyses RL **Date Analyzed**

Particulate Matter in Air 40 CFR PART 50 APP. J Prep Date: 7/21/2010 Analyst: JP Particulate Matter (as PM10) 37400 100 µg/filter 7/22/2010

Collection Date: 7/19/2010 Lab ID: 10070642-004

Client Sample ID: AS-S1-07-19-10 Matrix: Filter

Result RLQualifier Units DF **Date Analyzed** Analyses

40 CFR PART 50 APP. J **Particulate Matter in Air** Prep Date: 7/21/2010 Analyst: JP

Particulate Matter (as PM10) 26000 100 µg/filter 7/22/2010

Collection Date: 7/19/2010 Lab ID: 10070642-005 Client Sample ID: AS-SID-07-19-10 Matrix: Filter

DF Result RLQualifier Units Analyses **Date Analyzed**

Particulate Matter in Air 40 CFR PART 50 APP. J Prep Date: 7/21/2010 Analyst: JP

Particulate Matter (as PM10) 27200 100 µg/filter 7/22/2010

ND - Not Detected at the Reporting Limit

Qualifiers: J - Analyte detected below quantitation limits S - Spike Recovery outside accepted recovery limits

RL - Reporting / Quantitation Limit for the analysis

B - Analyte detected in the associated Method Blank R - RPD outside accepted recovery limits HT - Sample received past holding time E - Value above quantitation range

* - Non-accredited parameter H - Holding time exceeded

6

Received by: (Signature)

STAT Analysis Corporation
2242 W. Harrison, Suite 200, Chicago, Illinois 60612 Phone: (312) 733-0551 Fax: (312) 733-2386

Date/Time:

e-rnail address: STATinfo@STATAnalysis.com AIHA, NVLAP and NELAP accredited Nº: 831257 **CHAIN OF CUSTODY RECORD** Page: of P.O. No.: Company: Project Number: 103 0690 21053,05 Client Tracking No. Project Name: Quote No.: Project Location: Sampler(s): Tom Hahre Phone: Report To: Turn Around Fax: le-mail: OC Level: 1 Results Needed Time Comp. No. of am/pm Client Sample Number/Description: Date Taken Taken Containers Remarks Lab No.: 07/19/10 00 Date/Time: 07 -20-10 1400 Comments: Laboratory Work Order No.: Relinquished by: (Signature) Report as ug/Filter Date/Time: 7/20/10 900 Received by: (Sig nature) Date/Time: Relinquished by: (Signature) Received on Ice: Yes Received by: (Sig. nature) Date/Time: Preservation Code: A = None B = HNO₃ C = NaOH Date/Time: Temperature: AMBIANC

 $D = H_2SO_4$ E = HC1 F = 5035/EnCore G = Other

Sample Receipt Checklist

Client Name TETRA CHICAGO			Date and Tim	e Received:	7/21/2010 9:00:00 AM
Work Order Number 10070642			Received by:	CIG	, 1
Checklist completed by: 4 fram	Date	7/21/10	Reviewed by:	Initials	7/21/(0
Matrix:	Carrier name	FedEx			
Shipping container/cooler in good condition?		Yes 🗸	No	Not Present	
Custody seals intact on shippping container/coo	ler?	Yes	No	Not Present	
Custody seals intact on sample bottles?		Yes	No	Not Present 🗸	
Chain of custody present?		Yes 🗸	No		
Chain of custody signed when relinquished and	received?	Yes 🗸	No		
Chain of custody agrees with sample labels/con	tainers?	Yes 🗸	No .		
Samples in proper container/bottle?		Yes 🗸	No		
Sample containers intact?		Yes 🗸	No		
Sufficient sample volume for indicated test?		Yes 🗸	No		
All samples received within holding time?		Yes 🗸	No		
Container or Temp Blank temperature in compli	ance?	Yes 🗸	No	Temperatur	e Ambient °C
Water - VOA vials have zero headspace?	No VOA vials subr	mitted	Yes	No 🗮	
Water - Samples pH checked?		Yes 🙎	No	Checked by:	
Water - Samples properly preserved?		Yes	No [60]	pH Adjusted?	
Any No response must be detailed in the comm	ents section below.			· 	
Comments:					
Client / Person contacted:	Date contacted:		Cont	acted by:	
Response:					

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-0

August 02, 2010

Tetra Tech EM Inc. 1 South Wacker Drive 37th Floor Chicago, IL 60606

Telephone: (312) 856-8700 Fax: (312) 938-0118

RE: 103DG9021.053.05, OMC, Waukegan STAT Project No: 10070885

Dear Carol Nissen:

STAT Analysis received 5 samples for the referenced project on 7/28/2010 1:00:00 PM. The analytical results are presented in the following report.

All analyses were performed in accordance with the requirements of 35 IAC Part 186 / NELAC standards. Analyses were performed in accordance with methods as referenced on the analytical report. Those analytical results expressed on a dry weight basis are also noted on the analytical report.

All analyses were performed within established holding time criteria, and all Quality Control criteria met EPA or laboratory specifications except when noted in the Case Narrative or Analytical Report. If required, an estimate of uncertainty for the analyses can be provided. A listing of accredited methods/parameters can also be provided.

Thank you for the opportunity to serve you and I look forward to working with you in the future. If you have any questions regarding the enclosed materials, please contact me at (312) 733-0551.

Sincerely, france

Catia Giannini

Project Manager

The information contained in this report and any attachments is confidential information intended only for the use of the individual or entities named above. The results of this report relate only to the samples tested. If you have received this report in error, please notify us immediately by phone. This report shall not be reproduced, except in its entirety, unless written approval has been obtained from the laboratory.



Date: August 02, 2010

Client: Tetra Tech EM Inc.

Project: 103DG9021.053.05, OMC, Waukegan Work Order Sample Summary

Lab Order: 10070885

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
10070885-001A	AS-E1-07-26-10		7/26/2010	7/28/2010
10070885-002A	AS-N1-07-26-10		7/26/2010	7/28/2010
10070885-003A	AS-W1-07-26-10		7/26/2010	7/28/2010
10070885-004A	AS-S1-07-26-10		7/26/2010	7/28/2010
10070885-005A	AS-S1D-07-26-10		7/26/2010	7/28/2010

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766 Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-0

Date Reported: August 02, 2010 **Date Printed:** August 02, 2010

Client: Tetra Tech EM Inc.

Project: 10070885 103DG9021.053.05, OMC, Waukegan Lab Order:

Lab ID: 10070885-001 **Collection Date:** 7/26/2010

Client Sample ID AS-E1-07-26-10 Matrix: Air

Result RL Qualifier Units DF Analyses **Date Analyzed**

Particulate Matter in Air 40 CFR PART 50 APP. J Prep Date: 7/28/2010 Analyst: JP Particulate Matter (as PM10) 18100 100 µg/filter 7/30/2010

Lab ID: 10070885-002 Collection Date: 7/26/2010

Client Sample ID AS-N1-07-26-10 Matrix: Air

Result **RL Qualifier Units** DF Analyses **Date Analyzed**

Particulate Matter in Air 40 CFR PART 50 APP. J Prep Date: 7/28/2010 Analyst: JP Particulate Matter (as PM10) 28800 100 7/30/2010

10070885-003 Collection Date: 7/26/2010 Lab ID:

AS-W1-07-26-10 Matrix: Air Client Sample ID

Result **RL Qualifier Units** DF Analyses **Date Analyzed**

Particulate Matter in Air 40 CFR PART 50 APP. J Prep Date: 7/28/2010 Analyst: JP Particulate Matter (as PM10) 23400 100 µg/filter 7/30/2010

Collection Date: 7/26/2010 Lab ID: 10070885-004

Matrix: Air Client Sample ID AS-S1-07-26-10

Result **RL Qualifier Units** DF **Date Analyzed** Analyses

40 CFR PART 50 APP. J **Particulate Matter in Air** Prep Date: 7/28/2010 Analyst: JP Particulate Matter (as PM10) 28800 100 µg/filter 7/30/2010

Collection Date: 7/26/2010

Client Sample ID AS-S1D-07-26-10 Matrix: Air

DF Result RL Qualifier Units Analyses **Date Analyzed**

Particulate Matter in Air 40 CFR PART 50 APP. J Prep Date: 7/28/2010 Analyst: JP

Particulate Matter (as PM10) 30000 100 µg/filter 7/30/2010

ND - Not Detected at the Reporting Limit

10070885-005

Lab ID:

Qualifiers: J - Analyte detected below quantitation limits S - Spike Recovery outside accepted recovery limits

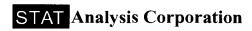
RL - Reporting / Quantitation Limit for the analysis

B - Analyte detected in the associated Method Blank R - RPD outside accepted recovery limits HT - Sample received past holding time E - Value above quantitation range

* - Non-accredited parameter H - Holding time exceeded Analysis Corporation
2242 W. Harrison, Suite 200, Chicago, Illinois 60612 Phone: (312) 733-0551 Fax: (312) 733-2386

e-mail address: STATinfo(a)STATAnalysis.com AIHA, NVLAP and NELAP accredited

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Received by: (Signature) Date/Time:						D =	$= H_2S$	O ₄ I	= HC	:1 F	= 503	5/EnC	ore	G = O	ther			100		64W	blad			



Sample Receipt Checklist

Client Name TETRA CHICAGO				Date and Tin	ne Received:	7/28/2010
Work Order Number 10070885			•	Received by:	CDF	i
Checklist completed by: Signature Matrix:	Date Carrier name:		zófic	Reviewed by	: Initials	7/28/10 Date
Shipping container/cooler in good condition?		Yes		No	Not Present	
Custody seals intact on shippping container/cod	oler?	Yes	.	No	Not Present ✓	•
Custody seals intact on sample bottles?		Yes	.	No :	Not Present ▼	•
Chain of custody present?		Yes		No		
Chain of custody signed when relinquished and	received?	Yes	~	No		
Chain of custody agrees with sample labels/cor	tainers?	Yes	✓	No 🔠		
Samples in proper container/bottle?		Yes	✓	No		
Sample containers intact?		Yes	✓	No 🗔		
Sufficient sample volume for indicated test?		Yes	~	No		
All samples received within holding time?		Yes		No []		
Container or Temp Blank temperature in compli	ance?	Yes	~	No	Tempera	ture Ambient °C
Water - VOA vials have zero headspace?	No VOA vials subn	nitted	wi	Yes 🤝	No 📖	
Water - Samples pH checked?		Yes		No 🗐	Checked by:	
Water - Samples properly preserved?		Yes	[##]	No 📰	pH Adjusted?	
Any No response must be detailed in the comm	ents section below.			<u></u>		
Comments:						
Client / Person contacted:	Date contacted:			Con	tacted by:	
Response:						<u></u> .

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-0

August 12, 2010

Tetra Tech EM Inc.
1 South Wacker Drive
37th Floor
Chicago, IL 60606

Telephone: (312) 946-6474 Fax: (312) 938-0118

RE: 103DG9021053-05, OMC, Waukegan, IL STAT Project No: 10080258

Dear Tom Hahne:

STAT Analysis received 5 samples for the referenced project on 8/9/2010 1:55:00 PM. The analytical results are presented in the following report.

All analyses were performed in accordance with the requirements of 35 IAC Part 186 / NELAC standards. Analyses were performed in accordance with methods as referenced on the analytical report. Those analytical results expressed on a dry weight basis are also noted on the analytical report.

All analyses were performed within established holding time criteria, and all Quality Control criteria met EPA or laboratory specifications except when noted in the Case Narrative or Analytical Report. If required, an estimate of uncertainty for the analyses can be provided. A listing of accredited methods/parameters can also be provided.

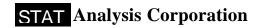
Thank you for the opportunity to serve you and I look forward to working with you in the future. If you have any questions regarding the enclosed materials, please contact me at (312) 733-0551.

Sincerely, Latia Lannin

Catia Giannini

Project Manager

The information contained in this report and any attachments is confidential information intended only for the use of the individual or entities named above. The results of this report relate only to the samples tested. If you have received this report in error, please notify us immediately by phone. This report shall not be reproduced, except in its entirety, unless written approval has been obtained from the laboratory.



Date: August 12, 2010

Client: Tetra Tech EM Inc.

Project: 103DG9021053-05, OMC, Waukegan, IL Work Order Sample Summary

Lab Order: 10080258

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
10080258-001A	AS-E1-08-05-10		8/5/2010	8/9/2010
10080258-002A	AS-N1-08-05-10		8/5/2010	8/9/2010
10080258-003A	AS-W1-08-05-10		8/5/2010	8/9/2010
10080258-004A	AS-S1-08-05-10		8/5/2010	8/9/2010
10080258-005A	AS-SID-08-05-10		8/5/2010	8/9/2010

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766 Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-0

Qualifier Units

Date Reported: August 12, 2010 **Date Printed:** August 12, 2010

DF

RL - Reporting / Quantitation Limit for the analysis

Date Analyzed

Client: Tetra Tech EM Inc.

Analyses

Project: 10080258 103DG9021053-05, OMC, Waukegan, IL Lab Order:

Lab ID: 10080258-001 **Collection Date:** 8/5/2010

Client Sample ID: AS-E1-08-05-10 Matrix: Filter Result

Particulate Matter in Air 40 CFR PART 50 APP. J Prep Date: 8/6/2010 Analyst: JP 8/10/2010 Particulate Matter (as PM10) 23200 100 µg/filter

Lab ID: 10080258-002 Collection Date: 8/5/2010

Client Sample ID: AS-N1-08-05-10 Matrix: Filter

Analyses Result **RL Qualifier Units** DF **Date Analyzed**

Particulate Matter in Air 40 CFR PART 50 APP. J Prep Date: 8/6/2010 Analyst: JP Particulate Matter (as PM10) 23200 100 8/10/2010

10080258-003 Collection Date: 8/5/2010 Lab ID:

Matrix: Filter Client Sample ID: AS-W1-08-05-10

Result **Qualifier Units** DF Analyses RL **Date Analyzed**

Particulate Matter in Air 40 CFR PART 50 APP. J Prep Date: 8/6/2010 Analyst: JP Particulate Matter (as PM10) 29900 100 µg/filter 8/10/2010

Lab ID: 10080258-004 Collection Date: 8/5/2010

Client Sample ID: AS-S1-08-05-10 Matrix: Filter

Result RL**Qualifier Units** DF **Date Analyzed** Analyses

40 CFR PART 50 APP. J **Particulate Matter in Air** Prep Date: 8/6/2010 Analyst: JP Particulate Matter (as PM10) 67000 100 µg/filter 8/10/2010

Collection Date: 8/5/2010 Lab ID: 10080258-005 Client Sample ID: AS-SID-08-05-10 Matrix: Filter

DF Result RLQualifier Units Analyses **Date Analyzed**

Particulate Matter in Air 40 CFR PART 50 APP. J Prep Date: 8/6/2010 Analyst: JP

Particulate Matter (as PM10) 67900 100 µg/filter 8/10/2010

ND - Not Detected at the Reporting Limit

Qualifiers: J - Analyte detected below quantitation limits S - Spike Recovery outside accepted recovery limits

B - Analyte detected in the associated Method Blank R - RPD outside accepted recovery limits HT - Sample received past holding time E - Value above quantitation range

* - Non-accredited parameter H - Holding time exceeded STAT Analysis Corporation

22 42 W. Harrison, Suite 200, Chicago, Illinois 60612 Phone: (312) 733-0551 Fax: (312) 733-2386 e-mail address: STATinfo@STATAnalysis.com AIHA, NVLAP and NELAP accredited

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Company: Tetra Tech						P.O. 1	No.:		\Box						
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Sampler(s): Lare Nisse									_/			//		////	
Project Location: Work eggs, Tr. Sampler(s): Jarri Wisse Report To: Tom Lahry	Phone:					1			//	//		//			Turn Around:
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QC Level: 1 2 3 4	e-mail:]		S),	//	//	//	//			Results Needed:
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Received by: (Signature)		Date/	Time:			D = F	I_2SO_4	E = HC	'1 F = :	5035/Er	Core G	= Othe	er 🧗	L) L)	WOIEM

Sample Receipt Checklist

Client Name TETRA CHICAGO				Date and Tir	ne Received:	8/9/2010 1:55:00 PM
Work Order Number 10080258				Received by	: CIG	,
Checklist completed by: 4. La_Signature	Date	_ &	19/10	Reviewed by	nitials	8/10/10
Matrix:	Carrier name	<u>FedE</u>	<u>:x</u>			
Shipping container/cooler in good condition?		Yes	✓	No	Not Present	
Custody seals intact on shippping container/coo	ler?	Yes		No	Not Present	
Custody seals intact on sample bottles?		Yes	1	No	Not Present	
Chain of custody present?		Yes	~	No l		
Chain of custody signed when relinquished and	received?	Yes		No 🗀		
Chain of custody agrees with sample labels/con	tainers?	Yes	¥	No		
Samples in proper container/bottle?		Yes	Y	No		
Sample containers intact?		Yes	Y	No		
Sufficient sample volume for indicated test?		Yes	~	No		
All samples received within holding time?		Yes	~	No T		
Container or Temp Blank temperature in compli	ance?	Yes	✓	No [Temperature	e Ambient °C
Water - VOA vials have zero headspace?	No VOA vials subn	nitted		Yes -	No 💹	
Water - Samples pH checked?		Yes		No 📃	Checked by:	
Water - Samples properly preserved?		Yes		No See	pH Adjusted?	
Any No response must be detailed in the comm	ents section below.					
				· · · · ·		
Comments:			on 1 to 100		10 Marganis - 1 Ma	
Client / Person contacted:	Date contacted:			Con	tacted by:	
Response:						

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766
Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com
Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-0

August 19, 2010

Tetra Tech EM Inc.
1 South Wacker Drive
37th Floor

Chicago, IL 60606 Telephone: (312) 946-6474

Fax: (312) 938-0118

RE: 103DG9021053.05, OMC, Waukegan STAT Project No: 10080508

Dear Tom Hahne:

STAT Analysis received 5 samples for the referenced project on 8/17/2010 9:15:00 AM. The analytical results are presented in the following report.

All analyses were performed in accordance with the requirements of 35 IAC Part 186 / NELAC standards. Analyses were performed in accordance with methods as referenced on the analytical report. Those analytical results expressed on a dry weight basis are also noted on the analytical report.

All analyses were performed within established holding time criteria, and all Quality Control criteria met EPA or laboratory specifications except when noted in the Case Narrative or Analytical Report. If required, an estimate of uncertainty for the analyses care be provided. A listing of accredited methods/parameters can also be provided.

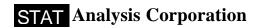
Thank you for the opportunity to serve you and I look forward to working with you in the future. If you have any questions regarding the enclosed materials, please contact me at (312) 733-0551.

Sincerely, fatial Aramin

Catia Giannini

Project Manager

The information contained in this report and any attachments is confidential ir formation intended only for the use of the individual or entities named above. The results of this report relate only to the samples tested. If you have received this report in error, please notify us immediately by phone. This report shall not be reproduced, except in its entirety, unless written approval has been obtained from the laboratory.



Date: August 19, 2010

Client: Tetra Tech EM Inc.

Project: 103DG9021053.05, OMC, Waukegan Work Order Sample Summary

Lab Order: 10080508

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
10080508-001A	AS-E1-08-12-10		8/12/2010	8/17/2010
10080508-002A	AS-N1-08-12-10		8/12/2010	8/17/2010
10080508-003A	AS-W1-08-12-10		8/12/2010	8/17/2010
10080508-004A	AS-S1-08-12-10		8/12/2010	8/17/2010
10080508-005A	AS-SID-08-12-10		8/12/2010	8/17/2010

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766 Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-0

Date Reported: August 19, 2010 **Date Printed:** August 19, 2010

Client: Tetra Tech EM Inc.

Project: 103DG9021053.05, OMC, Waukegan **Lab Order:** 10080508

Lab ID: 10080508-001 **Collection Date:** 8/12/2010

Client Sample ID: AS-E1-08-12-10 Matrix: Filter

Analyses Result RL Qualifier Units DF Date Analyzed

Particulate Matter in Air

Particulate Matter (as PM10)

40 CFR PART 50 APP. J

Prep Date: 8/18/2010

Analyst: JP

40 CFR PART 50 APP. J

payfilter 1

8/18/2010

Lab ID: 10080508-002 **Collection Date:** 8/12/2010

Client Sample ID: AS-N1-08-12-10 Matrix: Filter

Analyses Result RL Qualifier Units DF Date Analyzed

 Particulate Matter in Air
 40 CFR PART 50 APP. J
 Prep Date: 8/18/2010
 Analyst: JP

 Particulate Matter (as PM10)
 28500
 100
 μg/filter
 1
 8/18/2010

Lab ID: 10080508-003 **Collection Date:** 8/12/2010

Client Sample ID: AS-W1-08-12-10 Matrix: Filter

Analyses Result RL Qualifier Units DF Date Analyzed

Particulate Matter in Air

Particulate Matter (as PM10)

40 CFR PART 50 APP. J

Prep Date: 8/18/2010

Analyst: JP

8/18/2010

Lab ID: 10080508-004 **Collection Date:** 8/12/2010

Client Sample ID: AS-S1-08-12-10 Matrix: Filter

Analyses Result RL Qualifier Units DF Date Analyzed

Particulate Matter in Air
Particulate Matter (as PM10)

40 CFR PART 50 APP. J
Prep Date: 8/18/2010
Analyst: JP
particulate Matter (as PM10)
31900
100
µg/filter
1
8/18/2010

Farticulate Matter (as Fivi 10) 31500 100 μg/filter 1 6/16/2010

 Lab ID:
 10080508-005
 Collection Date:
 8/12/2010

 Client Sample ID:
 AS-SID-08-12-10
 Matrix:
 Filter

Analyses Result RL Qualifier Units DF Date Analyzed

Particulate Matter in Air

40 CFR PART 50 APP. J Prep Date: 8/18/2010 Analyst: JP

Particulate Matter (as PM10) 32200 100 μg/filter 1 8/18/2010

ND - Not Detected at the Reporting Limit

Qualifiers: J - Analyte detected below quantitation limits S

 \boldsymbol{B} - Analyte detected in the associated Method Blank

HT - Sample received past holding time

* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis

S - Spike Recovery outside accepted recovery limits

5 - Spike Recovery outside accepted recovery minit

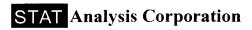
R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

STAT Analysis Corporation
2242 W. Harrison, Suite 200, Chicago, Illinois 60612 Phone: (312) 733-0551 Fax: (312) 733-2386 e-mail address; STATinfo(a)STA TAnalysis.com AIHA, NVLAP and NELAP accredited

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Sample Receipt Checklist

Client Name TETRA CHICAGO				Date and Tim	e Received:	8/17/2010 9:15:00 AM
Work Order Number 10080508				Received by:	CIG	•
Checklist completed by: Signature	Date	8	17/10	Reviewed by:	Initials OF	8/18/10 Date
Matrix:	Carrier name	FedE	x			
Shipping container/cooler in good condition?		Yes	~	No .	Not Present	
Custody seals intact on shippping container/cool	er?	Yes		No	Not Present	
Custody seals intact on sample bottles?		Yes		No	Not Present	
Chain of custody present?		Yes	*	No		
Chain of custody signed when relinquished and r	eceived?	Yes	~	No		
Chain of custody agrees with sample labels/cont	ainers?	Yes	~	No		
Samples in proper container/bottle?		Yes	✓	No .		
Sample containers intact?		Yes	Y	No .		
Sufficient sample volume for indicated test?		Yes	V	No		
All samples received within holding time?		Yes	~	No		
Container or Temp Blank temperature in complia	ince?	Yes	*	No	Temperatur	re Ambient °C
Water - VOA vials have zero headspace?	No VOA vials subr	nitted	<u> </u>	Yes	No 🌅	
Water - Samples pH checked?		Yes		No 🐺	Checked by:	
Water - Samples properly preserved?		Yes	j**!	No	pH Adjusted?	
Any No response must be detailed in the comme	ents section below.					
Comments:						
Client / Person contacted:	Date contacted:			Cont	acted by:	
Response:						

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-0

August 30, 2010

Tetra Tech EM Inc.

1 South Wacker Drive
37th Floor

Chicago, IL 60606

Telephone: (312) 946-6474 Fax: (312) 938-0118

RE: 103DG9021.053.05, OMC, Waukegan, IL STAT Project No: 10080730

Dear Tom Hahne:

STAT Analysis received 5 samples for the referenced project on 8/23/2010 9:20:00 AM. The analytical results are presented in the following report.

All analyses were performed in accordance with the requirements of 35 IAC Part 186 / NELAC standards. Analyses were performed in accordance with methods as referenced on the analytical report. Those analytical results expressed on a dry weight basis are also noted on the analytical report.

All analyses were performed within established holding time criteria, and all Quality Control criteria met EPA or laboratory specifications except when noted in the Case Narrative or Analytical Report. If required, an estimate of uncertainty for the analyses can be provided. A listing of accredited methods/parameters can also be provided.

Thank you for the opportunity to serve you and I look forward to working with you in the future. If you have any questions regarding the enclosed materials, please contact me at (312) 733-0551.

Sincerely,

Katelin Lewis

Project Mananger

The information contained in this report and any attachments is confidential information intended only for the use of the individual or entities named above. The results of this report relate only to the samples tested. If you have received this report in error, please notify us immediately by phone. This report shall not be reproduced, except in its entirety, unless written approval has been obtained from the laboratory.

Date: August 30, 2010

Client: Tetra Tech EM Inc.

Project: 103DG9021.053.05, OMC, Waukegan, IL Work Order Sample Summary

Lab Order: 10080730

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
10080730-001A	AS-E1		8/19/2010	8/23/2010
10080730-002A	AS-N1		8/19/2010	8/23/2010
10080730-003A	AS-W1		8/19/2010	8/23/2010
10080730-004A	AS-S1		8/19/2010	8/23/2010
10080730-005A	AS-SID		8/19/2010	8/23/2010

Date: August 30, 2010

CLIENT: Tetra Tech EM Inc.

Project: 103DG9021.053.05, OMC, Waukegan, IL CASE NARRATIVE

Lab Order: 10080730

The following filters were received damaged and/or torn: AS-SID (10080730-005)

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766
Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Date Reported: August 30, 2010 **Date Printed:** August 30, 2010

Client: Tetra Tech EM Inc.

Project: 103DG9021.053.05, OMC, Waukegan, IL **Lab Order:** 10080730

Lab ID: 10080730-001 **Collection Date** 8/19/2010

Client Sample ID: AS-E1 Matrix: Air

Analyses Result RL Qualifier Units DF Date Analyzed

 Particulate Matter in Air
 40 CFR PART 50 APP. J
 Prep Date: 8/23/2010
 Analyst: JP

 Particulate Matter (as PM10)
 32100
 100
 μg/filter
 1
 8/25/2010

Lab ID: 10080730-002 **Collection Date** 8/19/2010

Client Sample ID: AS-N1 Matrix: Air

Analyses Result RL Qualifier Units DF Date Analyzed

 Particulate Matter in Air
 40 CFR PART 50 APP. J
 Prep Date: 8/23/2010
 Analyst: JP

 Particulate Matter (as PM10)
 32100
 100
 μg/filter
 1
 8/25/2010

Lab ID: 10080730-003 **Collection Date** 8/19/2010

Client Sample ID: AS-W1 Matrix: Air

Analyses Result RL Qualifier Units DF Date Analyzed

Particulate Matter in Air40 CFR PART 50 APP. JPrep Date: 8/23/2010Analyst: JPParticulate Matter (as PM10)60500100μg/filter18/25/2010

Lab ID: 10080730-004 **Collection Date** 8/19/2010

Client Sample ID: AS-S1 Matrix: Air

Analyses Result RL Qualifier Units DF Date Analyzed

 Particulate Matter in Air
 40 CFR PART 50 APP. J
 Prep Date: 8/23/2010
 Analyst: JP

 Particulate Matter (as PM10)
 76300
 100
 μg/filter
 1
 8/25/2010

Lab ID: 10080730-005 **Collection Date** 8/19/2010

Client Sample ID: AS-SID Matrix: Air

Analyses Result RL Qualifier Units DF Date Analyzed

Particulate Matter in Air40 CFR PART 50 APP. JPrep Date: 8/23/2010Analyst: JPParticulate Matter (as PM10)77600100μg/filter18/25/2010

ND - Not Detected at the Reporting Limit RL - Reporting / Quantitation Limit for the analysis

Qualifiers: J - Analyte detected below quantitation limits S - Spike Recovery outside accepted recovery limits

B - Analyte detected in the associated Method Blank

R - RPD outside accepted recovery limits

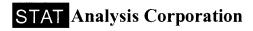
HT - Sample received past holding time E - Value above quantitation range

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* - Non-accredited parameter H - Holding time exceeded

STAT Analysis Corporation
2242 W. Harrison, Suite 200, Chicago, Illinois 60612 Phone: (312) 733-0551 Fax: (312) 733-2386 e-mail address: STATinfo(aSTATAnalysis.com AlHA, NVLAP and NELAP accredited

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Company: Tetra Tech					P.O.	No.:										
Project Number: 1037 (-9021. 053-05	Clien	t Track	cing No).:				_ [//	//			////
Project Name: OMC					Quot	No.:				/	//	//	//	///		////
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Report To: Tom Hanne Photo	ne:				.]			//	//		//	//	//	///		Turn Around
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Sample Receipt Checklist

Client Name TETRA CHICAGO				Date and Tim	e Received:	8/23/2010 9:20:00 AM
Work Order Number 10080730				Received by:	CIG	
Checklist completed by: 4. Signature	Date	{	8/23/0	Reviewed by:	Initials	8/24/10
Matrix:	Carrier name	<u>FedE</u>	<u> </u>			
Shipping container/cooler in good condition?		Yes	V	No :	Not Present	
Custody seals intact on shippping container/coo	ler?	Yes		No	Not Present	
Custody seals intact on sample bottles?		Yes		No	Not Present	
Chain of custody present?		Yes	~	No .		
Chain of custody signed when relinquished and	received?	Yes	~	No		
Chain of custody agrees with sample labels/con	tainers?	Yes	~	No .		
Samples in proper container/bottle?		Yes	Y	No		
Sample containers intact?		Yes	~	No ! , i		
Sufficient sample volume for indicated test?		Yes	*	No		
All samples received within holding time?		Yes		No		
Container or Temp Blank temperature in compli	ance?	Yes	✓	No	Temperature	e Ambient °C
Water - VOA vials have zero headspace?	No VOA vials subn	nitted	≡i	Yes	No !	
Water - Samples pH checked?		Yes	lw:	No 🌆	Checked by:	
Water - Samples properly preserved?		Yes	i).	No 🛒	pH Adjusted?	
Any No response must be detailed in the comm	ents section below.					
Comments:						
Client / Person contacted:	Date contacted:			Cont	acted by:	
Response:						

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-0

STAT Project No: 10080962

September 03, 2010

Tetra Tech EM Inc.
1 South Wacker Drive
37th Floor

Chicago, IL 60606 Telephone: (312) 856-8700

Fax: (31

(312) 938-0118

RE: 103DG9021.053.08, OMC, Waukegan

Dear Carol Nissen:

STAT Analysis received 5 samples for the referenced project on 8/30/2010 10:00:00 AM. The analytical results are presented in the following report.

All analyses were performed in accordance with the requirements of 35 IAC Part 186 / NELAC standards. Analyses were performed in accordance with methods as referenced on the analytical report. Those analytical results expressed on a dry weight basis are also noted on the analytical report.

All analyses were performed within established holding time criteria, and all Quality Control criteria met EPA or laboratory specifications except when noted in the Case Narrative or Analytical Report. If required, an estimate of uncertainty for the analyses can be provided. A listing of accredited methods/parameters can also be provided.

Thank you for the opportunity to serve you and I look forward to working with you in the future. If you have any questions regarding the enclosed materials, please contact me at (312) 733-0551.

Sincerely,

Mittal Aram

Catia Giannini

Project Manager

The information contained in this report and any attachments is confidential information intended only for the use of the individual or entities named above. The results of this report relate only to the samples tested. If you have received this report in error, please notify us immediately by phone. This report shall not be reproduced, except in its entirety, unless written approval has been obtained from the laboratory.



Date: September 03, 2010

Client: Tetra Tech EM Inc.

Project: 103DG9021.053.08, OMC, Waukegan Work Order Sample Summary

Lab Order: 10080962

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
10080962-001A	AS-N1 08-26-10		8/26/2010	8/30/2010
10080962-002A	AS-E1 08-26-10		8/26/2010	8/30/2010
10080962-003A	AS-W1 08-26-10		8/26/2010	8/30/2010
10080962-004A	AS-S1 08-26-10		8/26/2010	8/30/2010
10080962-005A	AS-S1D 08-26-10		8/26/2010	8/30/2010

Date: September 03, 2010

CASE NARRATIVE

CLIENT: Tetra Tech EM Inc.

Project: 103DG9021.053.08, OMC, Waukegan

Lab Order: 10080962

The following filters were received damaged and/or torn: AS-W1 08-26-10 (10080962-003).

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766 Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-0

Date Reported: September 03, 2010 **Date Printed:** September 03, 2010

Client: Tetra Tech EM Inc.

Project: 103DG9021.053.08, OMC, Waukegan **Lab Order:** 10080962

Lab ID: 10080962-001 **Collection Date:** 8/26/2010

Client Sample ID: AS-N1 08-26-10 Matrix: Air

Analyses Result RL Qualifier Units DF Date Analyzed

Particulate Matter in Air

Particulate Matter (as PM10)

40 CFR PART 50 APP. J

Prep Date: 8/30/2010

Analyst: JP

particulate Matter (as PM10)

40 CFR PART 50 APP. J

pug/filter 1

9/1/2010

Lab ID: 10080962-002 **Collection Date:** 8/26/2010

Client Sample ID: AS-E1 08-26-10 Matrix: Air

Analyses Result RL Qualifier Units DF Date Analyzed

 Particulate Matter in Air
 40 CFR PART 50 APP. J
 Prep Date: 8/30/2010
 Analyst: JP

 Particulate Matter (as PM10)
 31400
 100
 μg/filter
 1
 9/1/2010

Lab ID: 10080962-003 Collection Date: 8/26/2010

Client Sample ID: AS-W1 08-26-10 Matrix: Air

Analyses Result RL Qualifier Units DF Date Analyzed

Particulate Matter in Air

Particulate Matter in Air

Particulate Matter (as PM10)

40 CFR PART 50 APP. J

Prep Date: 8/30/2010

Analyst: JP

particulate Matter (as PM10)

14700

100

pg/filter

1

9/1/2010

Lab ID: 10080962-004 **Collection Date:** 8/26/2010

Client Sample ID: AS-S1 08-26-10 Matrix: Air

Analyses Result RL Qualifier Units DF Date Analyzed

Particulate Matter in Air
Particulate Matter (as PM10)

40 CFR PART 50 APP. J
Prep Date: 8/30/2010
Analyst: JP
particulate Matter (as PM10)
53800
100
pug/filter
1
9/1/2010

Lab ID: 10080962-005 **Collection Date:** 8/26/2010

Client Sample ID: AS-S1D 08-26-10 Matrix: Air

Analyses Result RL Qualifier Units DF Date Analyzed

Particulate Matter in Air 40 CFR PART 50 APP. J Prep Date: 8/30/2010 Analyst: JP

Particulate Matter (as PM10) 53600 100 µg/filter 1 9/1/2010

ND - Not Detected at the Reporting Limit

Qualifiers: J - Analyte detected below quantitation limits S - Spike Recovery outside accepted recovery limits

Analyte detected below quantitation limits S - Spike Recovery outside accepted recovery limits

RL - Reporting / Quantitation Limit for the analysis

B - Analyte detected in the associated Method Blank
HT - Sample received past holding time

R - RPD outside accepted recovery limits
E - Value above quantitation range

* - Non-accredited parameter H - Holding time exceeded

Page 4 of 6

Analysis Corporation
2242 W. Harrison, Suite 200, Chicago, Illinois 60612 Phone: (312) 733-0551 Fax: (312) 733-2386 e-mail address: STATinfo@STATAnalysis.com AIHA, NVLAP and NELAP accredited

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Sample Receipt Checklist

Client Name TETRA CHICAGO			Date and Tim	ne Received:	8/30/2010 10:00:00 AM
Work Order Number 10080962		and the second s	Received by:	CDF	4 1
Checklist completed by	Date	E/30/10	Reviewed by:	Initials Ob	8/3/10
Matrix:	Carrier name:	<u>FedEx</u>			
Shipping container/cooler in good condition?	?	Yes 🗸	No 🗌	Not Prosent	
Custody seals intact on shippping container	/cooler?	Yes	No 🛄	Not Present 🛂	
Custody seals intact on sample bottles?		Yes	No 🗀	Not Present 🗷	
Chain of custody present?		Yes 🗹	No 🗌		
Chain of custody signed when relinquished a	and received?	Yes 🗸	No 🗌		
Chain of custody agrees with sample labels/	/containers?	Yes 🗸	No 🗀		
Samples in proper container/bottle?		Yes 🗸	No 🗌		
Sample containers intact?		Yes 🗸	No 🗌		
Sufficient sample volume for indicated test?		Yes 🗹	No 🗆		
All samples received within holding time?		Yes 🗸	No 🗌		
Container or Temp Blank temperature in cor	mpliance?	Yes 🗸	No 🗌	Temperatur	re Ambient °C
Water - VOA vials have zero headspace?	No VOA vials subn	nitted 🗵	Yes 🗌	No 🗔	
Water - Samples pH checked?		Yes	No 🗔	Chackedity:	
Water - Samples properly preserved?		Yes	No 🗀	#H Anjusto 27 47	
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Comments:					
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Client / Person contacted:	Date contacted:		Cont	acted by:	
Response:				an Ny roen'	

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com
Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-0

September 13, 2010

Tetra Tech EM Inc.

1 South Wacker Drive

37th Floor

Chicago II 60606

Chicago, IL 60606 Telephone: (312) 856-8700

Fax: (312) 938-0118

RE: 103DG9021-053-08, OMC, Waukegan STAT Project No: 10090254

Dear Carol Nissen:

STAT Analysis received 5 samples for the referenced project on 9/10/2010 10:00:00 AM. The analytical results are presented in the following report.

All analyses were performed in accordance with the requirements of 35 IAC Part 186 / NELAC standards. Analyses were performed in accordance with methods as referenced on the analytical report. Those analytical results expressed on a dry weight basis are also noted on the analytical report.

All analyses were performed within established holding time criteria, and all Quality Control criteria met EPA or laboratory specifications except when noted in the Case Narrative or Analytical Report. If required, an estimate of uncertainty for the analyses can be provided. A listing of accredited methods/parameters can also be provided.

Thank you for the opportunity to serve you and I look forward to working with you in the future. If you have any questions regarding the enclosed materials, please contact me at (312) 733-0551.

Sincerely,

Catia Aran

Catia Giannini

Project Manager

The information contained in this report and any attachments is confidential information intended only for the use of the individual or entities named above. The results of this report relate only to the samples tested. If you have received this report in error, please notify us immediately by phone. This report shall not be reproduced, except in its entirety, unless written approval has been obtained from the laboratory.



Date: September 13, 2010

Client: Tetra Tech EM Inc.

Project: 103DG9021-053-08, OMC, Waukegan Work Order Sample Summary

Lab Order: 10090254

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
10090254-001A	AS-E1 09/08/10		9/8/2010	9/10/2010
10090254-002A	AS-N1 09/08/10		9/8/2010	9/10/2010
10090254-003A	AS-W1 09/08/10		9/8/2010	9/10/2010
10090254-004A	AS-S1 09/08/10		9/8/2010	9/10/2010
10090254-005A	AS-S1D 09/08/10		9/8/2010	9/10/2010

Date: September 13, 2010

CLIENT: Tetra Tech EM Inc.

Project: 103DG9021-053-08, OMC, Waukegan CASE NARRATIVE

Lab Order: 10090254

The following 47mm filters were found to be torn when examined during the post weighing process: Sample AS-N1 09/08/10 (10090254-002)

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766 Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-0

Date Reported: September 13, 2010 **Date Printed:** September 13, 2010

Client: Tetra Tech EM Inc.

Project: 103DG9021-053-08, OMC, Waukegan **Lab Order:** 10090254

Lab ID: 10090254-001 **Collection Date:** 9/8/2010

Client Sample ID: AS-E1 09/08/10 Matrix: Air

Analyses Result RL Qualifier Units DF Date Analyzed

Particulate Matter in Air

Particulate Matter (as PM10)

40 CFR PART 50 APP. J

Prep Date: 9/10/2010

Analyst: JP

particulate Matter (as PM10)

21600

100

µg/filter

1

9/13/2010

Lab ID: 10090254-002 **Collection Date:** 9/8/2010

Client Sample ID: AS-N1 09/08/10 Matrix: Air

Analyses Result RL Qualifier Units DF Date Analyzed

 Particulate Matter in Air
 40 CFR PART 50 APP. J
 Prep Date: 9/10/2010
 Analyst: JP

 Particulate Matter (as PM10)
 14700
 100
 μg/filter
 1
 9/13/2010

Lab ID: 10090254-003 **Collection Date:** 9/8/2010

Client Sample ID: AS-W1 09/08/10 Matrix: Air

Analyses Result RL Qualifier Units DF Date Analyzed

Particulate Matter in Air

Particulate Matter (as PM10)

40 CFR PART 50 APP. J

Prep Date: 9/10/2010

Analyst: JP

22900

100

µg/filter

1

9/13/2010

Lab ID: 10090254-004 **Collection Date:** 9/8/2010

Client Sample ID: AS-S1 09/08/10 Matrix: Air

Analyses Result RL Qualifier Units DF Date Analyzed

Particulate Matter in Air
Particulate Matter (as PM10)

40 CFR PART 50 APP. J
Prep Date: 9/10/2010
Analyst: JP
particulate Matter (as PM10)

23600
100
pug/filter
1
9/13/2010

Lab ID: 10090254-005 **Collection Date:** 9/8/2010

Client Sample ID: AS-S1D 09/08/10 Matrix: Air

Analyses Result RL Qualifier Units DF Date Analyzed

Particulate Matter in Air

40 CFR PART 50 APP. J Prep Date: 9/10/2010 Analyst: JP

Particulate Matter (as PM10) 23800 100 μg/filter 1 9/13/2010

ND - Not Detected at the Reporting Limit

Qualifiers: J - Analyte detected below quantitation limits S - Spike Recovery outside accepted recovery limits

Analyte detected below quantitation films 3 - Spike Recovery outside accepted recovery films

RL - Reporting / Quantitation Limit for the analysis

B - Analyte detected in the associated Method Blank
HT - Sample received past holding time
E - Value above quantitation range

* - Non-accredited parameter H - Holding time exceeded

Received by: (Signature)

STAT Analysis Corporation
22 42 W. Harrison, Suite 200, Chicago, Illinois 60612 Phone: (312) 733-0551 Fax: (312) 733-2386

Date/Time:

e-mail address: STATinfo@STATAnalysis.com AIHA, NVLAP and NELAP accredited Nº: 831266 Page: CHAIN OF CUSTODY RECORD of Company: TENATELL P.O. No.: Project Number: 1030 06962265368 Client Tracking No.: Project Name: Quote No.: Project Location: Was nege-Sampler(s): Caran K5-Report To: Con Faire Phone: Turn Around. Circularisa Fax: MICYMUL QC Level: 1 e-mail: Results Needed Comp. No. of Time am/pm Client Sample Number/Description: Date Taken Taken Containers Remarks Lab No.: C 4108/11 001 09/08/16 OOZ 005 Oflosho 004 09/08 1 Date/Time: 09/09/10 164 Comments: Pliner (\$10) to Relinquished by: (Signature) Laboratory Work Order No.: Date/Time: 9/10/10 1000 Received by: (Signature) Relinquished by: (Signature) Date/Time: Received by: (Signature Date/Time: Relinquished (Signature) Date/Time: Preservation Code: A = None B = HNO₃ C = NaOH

 $D = H_2SO_4$ E = HC1 F = 5035/EnCore G = Other

Sample Receipt Checklist

Client Name TETRA CHICAGO			Date and Tim	e Received:	9/10/2010 10:00:00 AM
Work Order Number 10090254		•	Received by:	CDF	
Checklist completed by	Date	2/10/10	Reviewed by:	Initials	9 13 10 Date
Matrix:	Carrier name:	FedEx			
Shipping container/cooler in good condition?		Yes 🗹	No 🗌	Not Present	
Custody seals intact on shippping container/coo	ler?	Yes	No 🗌	Not Present 🗸	
Custody seals intact on sample bottles?		Yes	No 🗌	Not Present 🗸	
Chain of custody present?		Yes 🗸	No 🗌		
Chain of custody signed when relinquished and	received?	Yes 🗸	No 🗌		
Chain of custody agrees with sample labels/con	tainers?	Yes 🗸	No 🗌		
Samples in proper container/bottle?		Yes 🗸	No 🗀		
Sample containers intact?		Yes 🗸	No 🗌		
Sufficient sample volume for indicated test?		Yes 🗸	No 🗌		
All samples received within holding time?		Yes 🗸	No 🗌		
Container or Temp Blank temperature in compli	ance?	Yes 🗸	No 🗌	Temperatu	re Ambient °C
Water - VOA vials have zero headspace?	No VOA vials subr	nitted	Yes 🗔	No 🖪	
Water - Samples pH checked?		Yes 🔛	No 🖸	Checked by:	
Water - Samples properly preserved?		Yes 🔛	No 🚊	pH Adjusted?	
Any No response must be detailed in the comm	ents section below.				
· · · · · · · · · · · · · · · · · · ·					
Comments:					
Client / Person contacted:	Date contacted:		Conta	acted by:	
Response:					

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-0

September 28, 2010

Tetra Tech EM Inc. 1 South Wacker Drive 37th Floor Chicago, IL 60606

Telephone: (312) 856-8700 Fax: (312) 938-0118

RE: 103DG9021.053.05, OMC STAT Project No: 10090659

Dear Carol Nissen:

STAT Analysis received 5 samples for the referenced project on 9/23/2010 9:30:00 AM. The analytical results are presented in the following report.

All analyses were performed in accordance with the requirements of 35 IAC Part 186 / NELAC standards. Analyses were performed in accordance with methods as referenced on the analytical report. Those analytical results expressed on a dry weight basis are also noted on the analytical report.

All analyses were performed within established holding time criteria, and all Quality Control criteria met EPA or laboratory specifications except when noted in the Case Narrative or Analytical Report. If required, an estimate of uncertainty for the analyses can be provided. A listing of accredited methods/parameters can also be provided.

Thank you for the opportunity to serve you and I look forward to working with you in the future. If you have any questions regarding the enclosed materials, please contact me at (312) 733-0551.

Sincerely,

Matical Alarman

Catia Giannini

Project Manager

The information contained in this report and any attachments is confidential information intended only for the use of the individual or entities named above. The results of this report relate only to the samples tested. If you have received this report in error, please notify us immediately by phone. This report shall not be reproduced, except in its entirety, unless written approval has been obtained from the laboratory.



Date: September 28, 2010

Work Order Sample Summary

Client: Tetra Tech EM Inc.

Project: 103DG9021.053.05, OMC

Lab Order: 10090659

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
10090659-001A	OMC-AS-E1 09-17-10		9/17/2010	9/23/2010
10090659-002A	OMC-AS-N1 09-17-10		9/17/2010	9/23/2010
10090659-003A	OMC-AS-W1 09-17-10		9/17/2010	9/23/2010
10090659-004A	OMC-AS-S1 09-17-10		9/17/2010	9/23/2010
10090659-005A	OMC-AS-S1D 09-17-10		9/17/2010	9/23/2010

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766 Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-0

Date Reported: September 28, 2010 **Date Printed:** September 28, 2010

Client: Tetra Tech EM Inc.

Project: 103DG9021.053.05, OMC Lab Order: 10090659

Lab ID: 10090659-001 **Collection Date:** 9/17/2010

Client Sample ID: OMC-AS-E1 09-17-10 Matrix: Air

Analyses Result RL Qualifier Units DF Date Analyzed

Particulate Matter in Air

Particulate Matter (as PM10)

40 CFR PART 50 APP. J

Prep Date: 9/23/2010

Analyst: JP

particulate Matter (as PM10)

15100

100

pg/filter

1

9/27/2010

Lab ID: 10090659-002 **Collection Date:** 9/17/2010

Client Sample ID: OMC-AS-N1 09-17-10 Matrix: Air

Analyses Result RL Qualifier Units DF Date Analyzed

Particulate Matter in Air
Particulate Matter (as PM10)

40 CFR PART 50 APP. J
Prep Date: 9/23/2010
Analyst: JP
particulate Matter (as PM10)
13100
100
pg/filter
1
9/27/2010

Lab ID: 10090659-003 **Collection Date:** 9/17/2010

Client Sample ID: OMC-AS-W1 09-17-10 Matrix: Air

Analyses Result RL Qualifier Units DF Date Analyzed

Particulate Matter in Air

40 CFR PART 50 APP. J
Prep Date: 9/23/2010 Analyst: JP
Particulate Matter (as PM10)

28200 100 µg/filter 1 9/27/2010

Lab ID: 10090659-004 **Collection Date:** 9/17/2010

Client Sample ID: OMC-AS-S1 09-17-10 Matrix: Air

Analyses Result RL Qualifier Units DF Date Analyzed

Particulate Matter in Air
Particulate Matter (as PM10)

40 CFR PART 50 APP. J
Prep Date: 9/23/2010
Analyst: JP
particulate Matter (as PM10)

34000
100
µg/filter
1
9/27/2010

Lab ID: 10090659-005 **Collection Date:** 9/17/2010

Client Sample ID: OMC-AS-S1D 09-17-10 Matrix: Air

Analyses Result RL Qualifier Units DF Date Analyzed

Particulate Matter in Air

40 CFR PART 50 APP. J Prep Date: 9/23/2010 Analyst: JP

Particulate Matter (as PM10) 34400 100 μg/filter 1 9/27/2010

ND - Not Detected at the Reporting Limit

Qualifiers: J - Analyte detected below quantitation limits S - Spike Recovery outside accepted recovery limits

B - Analyte detected in the associated Method Blank

R - RPD outside accepted recovery limits

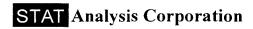
RL - Reporting / Quantitation Limit for the analysis

HT - Sample received past holding time E - Value above quantitation range

Page 3 of 5

(Please Print Clearly)		UPPER MIDWEST REGION	Page 1 of
Company Name: TENaTect		MN: 612 607-1700 WI: 920-469-2436	
Branch/Location: (Mile and	Pace Analytical *		
Branch/Location: Chicago Project Contact: Town Haling	www.pacelabs.com	Quote #:	
Phone: \$4 312 701-74 74	CHAIN OF CU	STODY Mail To Contact	
Project Number: 1031) (-9021.053		Mail To Company	y:
Project Name: OMC	H=Sodium Bisulfate Solution i=Sodium Thiosulfate	J=Other Mail To Address	:
Project State:	FILTERED? (YES/NO)		
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Rush Turnaround Time Requested - Prelims	Relinquished-By: Date(Time: , ,	Received By: Date/Til	PACE Project No.
(Rush TAT subject to approval/surcharge)	Cary - 9/20/10 /3		123/10 930 10 90150
Date Needed:	Relinquished By: Date/Time:	Received By Date/Til	те:
Transmit Prelim Rush Results by (complete what you want): Email #1:	Refinquished By: Date/Time:	Received By Date/Til	ne. Receipt Temp = Amol Sign
Email #2:			Sample Receipt pH
Telephone:	Relinquished By. Date/Time:	Received 8y: Date/Til	OK / Adjusted Cooler Custody Seal
Fax: Samples on HOLD are subject to	Relinquished By: Date/Time:	Received By: Date/Ti	
special pricing and release of liability			Intact / Not Intact

Version 6.0 06/14/06



Sample Receipt Checklist

Client Name TETRA CHICAGO		Date and Time Received:	9/23/2010
Work Order Number 10090659		Received by: CDF	
Checklist completed by: Signalure Date	9/23/10	Reviewed by:	9/24/10 Date
Matrix: Carrier name	: FedEx		
Shipping container/cooler in good condition?	Yes 🗸	No Not Present	
Custody seals intact on shippping container/cooler?	Yes	No ☐ Not Present ✓	
Custody seals intact on sample bottles?	Yes	No ☐ Not Present ✓	
Chain of custody present?	Yes 🗸	No 🗌	
Chain of custody signed when relinquished and received?	Yes 🗸	No 🗌	
Chain of custody agrees with sample labels/containers?	Yes 🗸	No 🗌	
Samples in proper container/bottle?	Yes 🗸	No 🗆	
Sample containers intact?	Yes 🗹	No 🗌	
Sufficient sample volume for indicated test?	Yes 🗸	No 🗌	
All samples received within holding time?	Yes 🗸	No 🗌	
Container or Temp Blank temperature in compliance?	Yes 🗸	No Temperature	Ambient °C
Water - VOA vials have zero headspace? No VOA vials suit	omitted 🗓	Yes 🔯 No 🖾	
Water - Samples pH checked?	Yes 🐷	No Checked by:	-
Water - Samples properly preserved?	Yes 🔎	No pH Adjusted?	
Any No response must be detailed in the comments section below.			
Comments:			
	· - · · · · · · · · · · · · · · · · · ·		
Client / Person Date contacted:		Contacted by:	
Response:			

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766
Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com
Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-0

October 11, 2010

Tetra Tech EM Inc. 1 South Wacker Drive 37th Floor Chicago, IL 60606

Telephone: (312) 856-8700 Fax: (312) 938-0118

RE: 103DG9021053.05, OMC, Waukegan STAT Project No: 10100082

Dear Carol Nissen:

STAT Analysis received 5 samples for the referenced project on 10/4/2010 9:30:00 AM. The analytical results are presented in the following report.

All analyses were performed in accordance with the requirements of 35 IAC Part 186 / NELAC standards. Analyses were performed in accordance with methods as referenced on the analytical report. Those analytical results expressed on a dry weight basis are also noted on the analytical report.

All analyses were performed within established holding time criteria, and all Quality Control criteria met EPA or laboratory specifications except when noted in the Case Narrative or Analytical Report. If required, an estimate of uncertainty for the analyses can be provided. A listing of accredited methods/parameters can also be provided.

Thank you for the opportunity to serve you and I look forward to working with you in the future. If you have any questions regarding the enclosed materials, please contact me at (312) 733-0551.

Sincerely,

Material Arch

Catia Giannini

Project Manager

The information contained in this report and any attachments is confidential information intended only for the use of the individual or entities named above. The results of this report relate only to the samples tested. If you have received this report in error, please notify us immediately by phone. This report shall not be reproduced, except in its entirety, unless written approval has been obtained from the laboratory.



Date: October 11, 2010

Client: Tetra Tech EM Inc.

Project: 103DG9021053.05, OMC, Waukegan Work Order Sample Summary

Lab Order: 10100082

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
10100082-001A	AS-E1 09-29-10		9/29/2010	10/4/2010
10100082-002A	AS-N1 09/29/10		9/29/2010	10/4/2010
10100082-003A	AS-W1 09/29/10		9/29/2010	10/4/2010
10100082-004A	AS-S1 09/29/10		9/29/2010	10/4/2010
10100082-005A	AS-S1D 09/29/10		9/29/2010	10/4/2010

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766 Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP 1L300001; AIHA 101160; NVLAP LabCode 101202-

Date Reported: October 11, 2010 **Date Printed:** October 11, 2010

Client: Tetra Tech EM Inc.

Project: 103DG9021053.05, OMC, Waukegan **Lab Order:** 10100082

Lab ID: 10100082-001 **Collection Date:** 9/29/2010

Client Sample ID AS-E1 09-29-10 Matrix: Air

Analyses Result RL Qualifier Units DF Date Analyzed

 Particulate Matter in Air
 40 CFR PART 50 APP. J
 Prep Date: 10/4/2010
 Analyst: JP

 Particulate Matter (as PM10)
 41700
 100
 μg/filter
 1
 10/8/2010

Lab ID: 10100082-002 **Collection Date:** 9/29/2010

Client Sample ID AS-N1 09/29/10 Matrix: Air

Analyses Result RL Qualifier Units DF Date Analyzed

 Particulate Matter in Air
 40 CFR PART 50 APP. J
 Prep Date: 10/4/2010
 Analyst: JP

 Particulate Matter (as PM10)
 41300
 100
 μg/filter
 1
 10/8/2010

Lab ID: 10100082-003 **Collection Date:** 9/29/2010

Client Sample ID AS-W1 09/29/10 Matrix: Air

Analyses Result RL Qualifier Units DF Date Analyzed

Particulate Matter in Air

Particulate Matter (as PM10)

40 CFR PART 50 APP. J

Prep Date: 10/4/2010

Analyst: JP

10/8/2010

Lab ID: 10100082-004 **Collection Date:** 9/29/2010

Client Sample ID AS-S1 09/29/10 Matrix: Air

Analyses Result RL Qualifier Units DF Date Analyzed

Particulate Matter in Air
Particulate Matter (as PM10)

40 CFR PART 50 APP. J
Prep Date: 10/4/2010
Analyst: JP
particulate Matter (as PM10)

68200
100
pug/filter
1
10/8/2010

Lab ID: 10100082-005 **Collection Date:** 9/29/2010

Client Sample ID AS-S1D 09/29/10 Matrix: Air

Analyses Result RL Qualifier Units DF Date Analyzed

Particulate Matter in Air

40 CFR PART 50 APP. J Prep Date: 10/4/2010 Analyst: JP

Particulate Matter (as PM10) 67000 100 μg/filter 1 10/8/2010

ND - Not Detected at the Reporting Limit

Qualifiers: J - Analyte detected below quantitation limits S - Spike Recovery outside accepted recovery limits

Analyte detected below quantitation limits S - Spike Recovery outside accepted recovery limits

RL - Reporting / Quantitation Limit for the analysis

B - Analyte detected in the associated Method Blank

R - RPD outside accepted recovery limits

HT - Sample received past holding time E - Value above quantitation range

* - Non-accredited parameter H - Holding time exceeded

Page 3 of 5

STAT Analysis Corporation
2242 W. Harrison, Suite 200, Chicago, Illinois 60612 Phone: (312) 733-0551 Fax: (312) 733-2386

e-mail address: STATinfo(aSTATAnalysis.com AIHA, NVLAP and NELAP accredited

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Company: Tetra tech			,			P.O), No.	:							ī			
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Project Name:				•		Quo	ote N	0.:				//	//	//		///	//,	
Project Location: Warkegan						1				١,	//	//	//	//			//,	
Sampler(s): Carr Misser											//	//,	//	//			//,	
Report To: Tom Hahry	Phone:					1			X		//	//	//	//			//	Turn Around:
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Client Sample Number/Description: Date Tak	en Taken	Matrix	Comp. Grab	Preserv	Containers	/	//		//		//	//	//			Remarl	ks	Lab No.:
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Sample Receipt Checklist

Client Name TETRA CHICAGO				Date and Tim	e Received:	10/4/2010 9:30:00 AM
Work Order Number 10100082				Received by:	CDF	ì
Checklist completed by: Signature	Date	10/1	es fo	Reviewed by:	Initials	5 10/5/10
Matrix	Carrier name:	FedE	<u>Ex</u>			
Shipping container/cooler in good condition?		Yes	✓	No 🗌	Not Present	
Custody seals intact on shippping container/coole	er?	Yes		No 🗌	Not Present	✓
Custody seals intact on sample bottles?		Yes		No 🗌	Not Present	✓
Chain of custody present?		Yes	Y	No 🗌		
Chain of custody signed when relinquished and re-	eceived?	Yes	✓	No 🗌		
Chain of custody agrees with sample labels/conta	ainers?	Yes	✓	No 🗀		
Samples in proper container/bottle?		Yes	✓	No 🗆		
Sample containers intact?		Yes	Y	No 🗌		
Sufficient sample volume for indicated test?		Yes	✓	No 🗌		
All samples received within holding time?		Yes	✓	No 🗀		
Container or Temp Blank temperature in compliant	nce?	Yes	~	No 🗌	Temp	erature Ambient °C
Water - VOA vials have zero headspace?	No VOA vials subr	mitted	1987	Yes	No 🖪	
Water - Samples pH checked?		Yes	€	No 🔄	Checked by	y:
Water - Samples properly preserved?		Yes		No 🕮	pH Adjusted	1?
Any No response must be detailed in the comme	nts section below.					
Comments:						
Client / Person contacted:	Date contacted:			Conta	acted by:	
Response:						

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766
Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com
Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-0

October 14, 2010

Tetra Tech EM Inc.
1 South Wacker Drive
37th Floor
Chicago, IL 60606

Telephone: (312) 946-6474 Fax: (312) 938-0118

RE: OMC Plant 2 STAT Project No: 10100287

Dear Tom Hahne:

STAT Analysis received 5 samples for the referenced project on 10/11/2010 10:30:00 AM. The analytical results are presented in the following report.

All analyses were performed in accordance with the requirements of 35 IAC Part 186 / NELAC standards. Analyses were performed in accordance with methods as referenced on the analytical report. Those analytical results expressed on a dry weight basis are also noted on the analytical report.

All analyses were performed within established holding time criteria, and all Quality Control criteria met EPA or laboratory specifications except when noted in the Case Narrative or Analytical Report. If required, an estimate of uncertainty for the analyses can be provided. A listing of accredited methods/parameters can also be provided.

Thank you for the opportunity to serve you and I look forward to working with you in the future. If you have any questions regarding the enclosed materials, please contact me at (312) 733-0551.

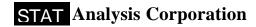
Sincerely,

batical Aca-

Catia Giannini

Project Manager

The information contained in this report and any attachments is confidential information intended only for the use of the individual or entities named above. The results of this report relate only to the samples tested. If you have received this report in error, please notify us immediately by phone. This report shall not be reproduced, except in its entirety, unless written approval has been obtained from the laboratory.



Date: October 14, 2010

Client: Tetra Tech EM Inc.

Project: OMC Plant 2

Lab Order: 10100287

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
10100287-001A	AS-S1 10-6-10		10/6/2010	10/11/2010
10100287-002A	AS-S1D 10-6-10		10/6/2010	10/11/2010
10100287-003A	AS-W1 10-6-10		10/6/2010	10/11/2010
10100287-004A	AS-N1 10-6-10		10/6/2010	10/11/2010
10100287-005A	AS-E1 10-6-10		10/6/2010	10/11/2010

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766
Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP 1L300001; AIHA 101160; NVLAP LabCode 101202-

Date Reported: October 14, 2010 **Date Printed:** October 14, 2010

Client:	Tetra Tech EM Inc.
CHCHI.	icua iccii Elvi ilic.

Project: OMC Plant 2 Lab Order: 10100287

Lab ID: 10100287-001 **Collection Date:** 10/6/2010

Client Sample ID AS-S1 10-6-10 Matrix: Air

Analyses Result RL Qualifier Units DF Date Analyzed

 Particulate Matter in Air
 40 CFR PART 50 APP. J
 Prep Date: 10/11/2010
 Analyst: JP

 Particulate Matter (as PM10)
 76800
 100
 μg/filter
 1
 10/13/2010

Lab ID: 10100287-002 **Collection Date:** 10/6/2010

Client Sample ID AS-S1D 10-6-10 Matrix: Air

Analyses Result RL Qualifier Units DF Date Analyzed

 Particulate Matter in Air
 40 CFR PART 50 APP. J
 Prep Date: 10/11/2010
 Analyst: JP

 Particulate Matter (as PM10)
 81200
 100
 μg/filter
 1
 10/13/2010

Lab ID: 10100287-003 **Collection Date:** 10/6/2010

Client Sample ID AS-W1 10-6-10 Matrix: Air

Analyses Result RL Qualifier Units DF Date Analyzed

Particulate Matter in Air

40 CFR PART 50 APP. J

Prep Date: 10/11/2010 Analyst: JP

Particulate Matter (as PM10)

54500 100 µg/filter 1 10/13/2010

Lab ID: 10100287-004 **Collection Date:** 10/6/2010

Client Sample ID AS-N1 10-6-10 Matrix: Air

Analyses Result RL Qualifier Units DF Date Analyzed

 Particulate Matter in Air
 40 CFR PART 50 APP. J
 Prep Date: 10/11/2010 Analyst: JP

 Particulate Matter (as PM10)
 44400 100 μg/filter 1 10/13/2010

Lab ID: 10100287-005 **Collection Date:** 10/6/2010

Client Sample ID AS-E1 10-6-10 Matrix: Air

Analyses Result RL Qualifier Units DF Date Analyzed

Particulate Matter in Air

40 CFR PART 50 APP. J

Prep Date: 10/11/2010 Analyst: JP

Particulate Matter (as PM10) 64100 100 µg/filter 1 10/13/2010

ND - Not Detected at the Reporting Limit

Qualifiers: J - Analyte detected below quantitation limits S - Spike Recovery outside accepted recovery limits

Analyte detected below quantitation mints S - Spike Recovery outside accepted recovery min

RL - Reporting / Quantitation Limit for the analysis

B - Analyte detected in the associated Method Blank
HT - Sample received past holding time

R - RPD outside accepted recovery limits
E - Value above quantitation range

* - Non-accredited parameter H - Holding time exceeded

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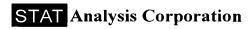
Nashville Division

2960 Foster Creighton Drive * Nashville TN 37204

Phone: (800) 765-0980 / (615) 726-0177 Fax:(615) 726-3404

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Sample Receipt Checklist

Client Name TETRA CHICAGO		Date and Time Ro	eceived: 10/11/2010 10:30:00 AM
Work Order Number 10100287		Received by:	CDF
Checklist completed by:	0/11/10	Reviewed by:	CG 10/12/10 Date
Matrix: Carrier name:	<u>FedEx</u>		
Shipping container/cooler in good condition?	Yes 🗸	No 🗌 Not	Present
Custody seals intact on shippping container/cooler?	Yes	No 🗌 Not	Present 🗸
Custody seals intact on sample bottles?	Yes	No 🗌 Not	Present 🗸
Chain of custody present?	Yes 🗸	No \square	
Chain of custody signed when relinquished and received?	Yes 🗸	No 🗌	
Chain of custody agrees with sample labels/containers?	Yes 🗸	No 🗌	
Samples in proper container/bottle?	Yes 🗸	No 🗌	
Sample containers intact?	Yes 🗸	No \square	
Sufficient sample volume for indicated test?	Yes 🗸	No 🗌	
All samples received within holding time?	Yes 🗸	No \square	
Container or Temp Blank temperature in compliance?	Yes 🗸	No \square	Temperature Ambient °C
Water - VOA vials have zero headspace? No VOA vials subn	nitted 📳	Yes	No 🗵
Water - Samples pH checked?	Yes 🖺	No 🖸 Ch	necked by:
Water - Samples properly preserved?	Yes 🖫	No 🗐 pH	Adjusted?
Any No response must be detailed in the comments section below.	· · · · · · ·		· — - — — — —
Comments:			
			
Client / Person Date contacted:		Contacted	d by:
Response:			

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766
Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com
Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-0

October 19, 2010

Tetra Tech EM Inc.
1 South Wacker Drive
37th Floor

Chicago, IL 60606

Telephone: (312) 946-6474 Fax: (312) 938-0118

RE: 103DG9021.05305, OMC, Waukegan STAT Project No: 10100415

Dear Tom Hahne:

STAT Analysis received 5 samples for the referenced project on 10/14/2010 4:00:00 PM. The analytical results are presented in the following report.

All analyses were performed in accordance with the requirements of 35 IAC Part 186 / NELAC standards. Analyses were performed in accordance with methods as referenced on the analytical report. Those analytical results expressed on a dry weight basis are also noted on the analytical report.

All analyses were performed within established holding time criteria, and all Quality Control criteria met EPA or laboratory specifications except when noted in the Case Narrative or Analytical Report. If required, an estimate of uncertainty for the analyses can be provided. A listing of accredited methods/parameters can also be provided.

Thank you for the opportunity to serve you and I look forward to working with you in the future. If you have any questions regarding the enclosed materials, please contact me at (312) 733-0551.

Sincerely,

Catial Ara

Catia Giannini

Project Manager

The information contained in this report and any attachments is confidential information intended only for the use of the individual or entities named above. The results of this report relate only to the samples tested. If you have received this report in error, please notify us immediately by phone. This report shall not be reproduced, except in its entirety, unless written approval has been obtained from the laboratory.

Date: October 19, 2010

Client: Tetra Tech EM Inc.

Project: 103DG9021.05305, OMC, Waukegan Work Order Sample Summary

Lab Order: 10100415

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
10100415-001A	AS-S1-10-12-10		10/12/2010	10/14/2010
10100415-002A	AS-S1D-10-12-10		10/12/2010	10/14/2010
10100415-003A	AS-W1-10-12-10		10/12/2010	10/14/2010
10100415-004A	AS-N1-10-12-10		10/12/2010	10/14/2010
10100415-005A	AS-E1-10-12-10		10/12/2010	10/14/2010

Date: October 19, 2010

CLIENT: Tetra Tech EM Inc.

Project: 103DG9021.05305, OMC, Waukegan CASE NARRATIVE

Lab Order: 10100415

The following filters were received damaged and/or torn: AS-S1D-10-12-10 (10100415-002)

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766 Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP 1L300001; AIHA 101160; NVLAP LabCode 101202-

Date Reported: October 19, 2010 **Date Printed:** October 19, 2010

Client: Tetra Tech EM Inc.

Project: 103DG9021.05305, OMC, Waukegan **Lab Order:** 10100415

Lab ID: 10100415-001 **Collection Date:** 10/12/2010

Client Sample ID AS-S1-10-12-10 Matrix: Filter

Analyses Result RL Qualifier Units DF Date Analyzed

Particulate Matter in Air

Particulate Matter in Air

Particulate Matter (as PM10)

40 CFR PART 50 APP. J

Prep Date: 10/14/2010 Analyst: RW

particulate Matter (as PM10)

35200 100 µg/filter 1 10/18/2010

Lab ID: 10100415-002 **Collection Date:** 10/12/2010

Client Sample ID AS-S1D-10-12-10 Matrix: Filter

Analyses Result RL Qualifier Units DF Date Analyzed

Particulate Matter in Air

40 CFR PART 50 APP. J

Prep Date: 10/14/2010 Analyst: RW

Particulate Matter (as PM10) 32900 100 μg/filter 1 10/18/2010

Lab ID: 10100415-003 **Collection Date:** 10/12/2010

Client Sample ID AS-W1-10-12-10 Matrix: Filter

Analyses Result RL Qualifier Units DF Date Analyzed

Particulate Matter in Air

Particulate Matter (as PM10)

40 CFR PART 50 APP. J

Prep Date: 10/14/2010 Analyst: RW

particulate Matter (as PM10)

52500 100 µg/filter 1 10/18/2010

Lab ID: 10100415-004 **Collection Date:** 10/12/2010

Client Sample ID AS-N1-10-12-10 Matrix: Filter

Analyses Result RL Qualifier Units DF Date Analyzed

Particulate Matter in Air
Particulate Matter (as PM10)

40 CFR PART 50 APP. J
Prep Date: 10/14/2010 Analyst: RW

24300 100 µg/filter 1 10/18/2010

Lab ID: 10100415-005 **Collection Date:** 10/12/2010

Client Sample ID AS-E1-10-12-10 Matrix: Filter

Analyses Result RL Qualifier Units DF Date Analyzed

Particulate Matter in Air 40 CFR PART 50 APP. J Prep Date: 10/14/2010 Analyst: RW

Particulate Matter (as PM10) 27300 100 μg/filter 1 10/18/2010

ND - Not Detected at the Reporting Limit

Qualifiers: J - Analyte detected below quantitation limits S - Spike Recovery outside accepted recovery limits

Analyte detected below quantitation limits S - Spike Recovery outside accepted recovery limits

RL - Reporting / Quantitation Limit for the analysis

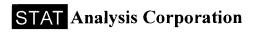
B - Analyte detected in the associated Method Blank R - RPD outside accepted recovery limits

HT - Sample received past holding time E - Value above quantitation range

* - Non-accredited parameter H - Holding time exceeded

STAT Analysis Corporation
2242 W. Harrison, Suite 200, Chicago, Illinois 60612 Phone: (312) 733-0551 Fax: (312) 733-2386 AIHA, NVLAP and NELAP accredited e-mail address: STATinfo(a.STATAn alysis. com

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Sample Receipt Checklist

Client Name TETRA CHICAGO				Date and Tim	e Received:	10/14/2010 4:00:00 PM
Work Order Number 10100415		,		Received by:	JJM	
Checklist completed by:	M / Date		14/10	Reviewed by:	Initials	10/15/10
Matrix:	Carrier name	<u>FedEx</u>	<u> </u>			
Shipping container/cooler in good condition?		Yes [✓	No 🗆	Not Present	
Custody seals intact on shippping container/cooler?		Yes [No 🗌	Not Present 🗹	
Custody seals intact on sample bottles?		Yes		No 🗌	Not Present	
Chain of custody present?		Yes	✓	No 🗌		
Chain of custody signed when relinquished and receive	ved?	Yes	✓	No 🗌		
Chain of custody agrees with sample labels/container	s?	Yes	✓	No 🗌		
Samples in proper container/bottle?		Yes	✓	No 🗌		
Sample containers intact?		Yes	✓	No 🗌		
Sufficient sample volume for indicated test?		Yes	✓	No 🗌		
All samples received within holding time?		Yes	✓	No 🗌		
Container or Temp Blank temperature in compliance?)	Yes	✓	No 🗌	Temperatu	re Ambient °C
Water - VOA vials have zero headspace? No	VOA vials subm	nitted [25	Yes	No 🖸	
Water - Samples pH checked?		Yes	<u> </u>	No 🗵	Checked by:	
Water - Samples properly preserved?		Yes [2	No 🗀	pH Adjusted?	
Any No response must be detailed in the comments s	section below.					
Comments:						
- · · · · · · · · · · · · · · · · · · ·						
Client / Person Contacted: Date	contacted:			Conta	acted by:	
Response:						

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766
Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com
Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-

November 01, 2010

Tetra Tech EM Inc.
1 South Wacker Drive
37th Floor

Chicago, IL 60606

Telephone: (312) 856-8700 Fax: (312) 938-0118

RE: 103DG902105305, OMC, Waukegan STAT Project No: 10100801

Dear Carol Nissen:

STAT Analysis received 5 samples for the referenced project on 10/25/2010 9:30:00 AM. The analytical results are presented in the following report.

All analyses were performed in accordance with the requirements of 35 IAC Part 186 / NELAC standards. Analyses were performed in accordance with methods as referenced on the analytical report. Those analytical results expressed on a dry weight basis are also noted on the analytical report.

All analyses were performed within established holding time criteria, and all Quality Control criteria met EPA or laboratory specifications except when noted in the Case Narrative or Analytical Report. If required, an estimate of uncertainty for the analyses can be provided. A listing of accredited methods/parameters can also be provided.

Thank you for the opportunity to serve you and I look forward to working with you in the future. If you have any questions regarding the enclosed materials, please contact me at (312) 733-0551.

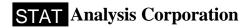
Sincerely,

Katelin Lewis

Project Mananger

Katele Deens

The information contained in this report and any attachments is confidential information intended only for the use of the individual or entities named above. The results of this report relate only to the samples tested. If you have received this report in error, please notify us immediately by phone. This report shall not be reproduced, except in its entirety, unless written approval has been obtained from the laboratory.



Date: November 01, 2010

Client: Tetra Tech EM Inc.

Project: 103DG902105305, OMC, Waukegan Work Order Sample Summary

Lab Order: 10100801

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
10100801-001A	AS-E1 10-20-10		10/20/2010	10/25/2010
10100801-002A	AS-N1 10-20-10		10/20/2010	10/25/2010
10100801-003A	AS-W1 10-20-10		10/20/2010	10/25/2010
10100801-004A	AS-S1 10-20-10		10/20/2010	10/25/2010
10100801-005A	AS-S1D 10-20-10		10/20/2010	10/25/2010

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766 Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Date Reported: November 01, 2010 Date Printed: November 01, 2010

Client: Tetra Tech EM Inc.

103DG902105305, OMC, Waukegan **Project: Lab Order:** 10100801

Lab ID: 10100801-001 Collection Date 10/20/2010

Client Sample ID:AS-E1 10-20-10 Matrix: Air

RL Qualifier Units Result DF **Analyses Date Analyzed**

Particulate Matter in Air 40 CFR PART 50 APP. J Prep Date: 10/25/2010 Analyst: JP Particulate Matter (as PM10) 120000 10/29/2010 100 µg/filter

Collection Date 10/20/2010 Lab ID: 10100801-002

Client Sample ID:AS-N1 10-20-10 Matrix: Air

RL Qualifier Units DF Result **Date Analyzed** Analyses

Particulate Matter in Air 40 CFR PART 50 APP. J Prep Date: 10/25/2010 Analyst: JP Particulate Matter (as PM10) 10/29/2010 36600 100 µg/filter

10100801-003 Collection Date 10/20/2010 Lab ID:

Client Sample ID: AS-W1 10-20-10 Matrix: Air

Result **RL** Qualifier Units DF **Date Analyzed** Analyses

Particulate Matter in Air 40 CFR PART 50 APP. J Prep Date: 10/25/2010 Analyst: JP 10/29/2010 Particulate Matter (as PM10) 68600 100 µg/filter

10100801-004 Collection Date 10/20/2010 Lab ID:

Client Sample ID:AS-S1 10-20-10 Matrix: Air

Result RL Qualifier Units DF **Analyses Date Analyzed**

40 CFR PART 50 APP. J **Particulate Matter in Air** Prep Date: 10/25/2010 Analyst: JP 10/29/2010 Particulate Matter (as PM10) 74600 100 µg/filter

10100801-005 Collection Date 10/20/2010 Lab ID:

Client Sample ID: AS-S1D 10-20-10 Matrix: Air

Result RL Qualifier Units DF **Analyses Date Analyzed**

Particulate Matter in Air 40 CFR PART 50 APP. J Prep Date: 10/25/2010 Analyst: JP

10/29/2010 Particulate Matter (as PM10) 75300 100 µg/filter

ND - Not Detected at the Reporting Limit

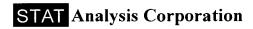
RL - Reporting / Quantitation Limit for the analysis Qualifiers: J - Analyte detected below quantitation limits S - Spike Recovery outside accepted recovery limits

B - Analyte detected in the associated Method Blank R - RPD outside accepted recovery limits

HT - Sample received past holding time E - Value above quantitation range

* - Non-accredited parameter H - Holding time exceeded STAT Analysis Corporation
22-42 W. Harrison, Suite 200, Chicago, Illinois 60612 Phone: (312) 733-0551 Fax: (312) 733-2386 e-rnail address: STATinfoaSTATAnalysis.com AIHA, NVLAP and NELAP accredited

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Sample Receipt Checklist

Client Name TETRA CHICAGO		Date and Time Received:	10/25/2010 9:30:00 AM
Work Order Number 10100801		Received by: CDF	, I
Checklist completed by:	10)25/10	Reviewed by: Initials	10/24/10
Matrix: Carrier nan	ne: <u>FedEx</u>		
Shipping container/cooler in good condition?	Yes 🗸	No Not Present	
Custody seals intact on shippping container/cooler?	Yes 🗌	No Not Present	✓
Custody seals intact on sample bottles?	Yes	No Not Present	\checkmark
Chain of custody present?	Yes 🗸	No 🗆	
Chain of custody signed when relinquished and received?	Yes 🗸	No 🗆	
Chain of custody agrees with sample labels/containers?	Yes 🗹	No 🗆	
Samples in proper container/bottle?	Yes 🗸	No 🗆	
Sample containers intact?	Yes 🗹	No 🗆	
Sufficient sample volume for indicated test?	Yes 🗹	No 🗌	
All samples received within holding time?	Yes 🗸	No 🗆	
Container or Temp Blank temperature in compliance?	Yes 🗸	No Tempe	erature Ambient °C
Water - VOA vials have zero headspace? No VOA vials s	ubmitted	Yes 🔄 No 🖼	
Water - Samples pH checked?	Yes 🖽	No Checked by	/:
Water - Samples properly preserved?	Yes 🗓	No 🔝 pH Adjusted	?
Any No response must be detailed in the comments section below	<i>i</i> .		
Comments:			
Client / Person contacted: Date contacted:		Contacted by:	
Response:			

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766
Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com
Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-0

November 08, 2010

Tetra Tech EM Inc.
1 South Wacker Drive
37th Floor

Chicago, IL 60606

Telephone: (312) 946-6474 Fax: (312) 938-0118

RE: 103DG9021-053-05, OMC, Waukegan STAT Project No: 10110025

Dear Tom Hahne:

STAT Analysis received 5 samples for the referenced project on 11/1/2010 9:30:00 AM. The analytical results are presented in the following report.

All analyses were performed in accordance with the requirements of 35 IAC Part 186 / NELAC standards. Analyses were performed in accordance with methods as referenced on the analytical report. Those analytical results expressed on a dry weight basis are also noted on the analytical report.

All analyses were performed within established holding time criteria, and all Quality Control criteria met EPA or laboratory specifications except when noted in the Case Narrative or Analytical Report. If required, an estimate of uncertainty for the analyses can be provided. A listing of accredited methods/parameters can also be provided.

Thank you for the opportunity to serve you and I look forward to working with you in the future. If you have any questions regarding the enclosed materials, please contact me at (312) 733-0551.

Sincerely,

Matia Ara

Catia Giannini

Project Manager

The information contained in this report and any attachments is confidential information intended only for the use of the individual or entities named above. The results of this report relate only to the samples tested. If you have received this report in error, please notify us immediately by phone. This report shall not be reproduced, except in its entirety, unless written approval has been obtained from the laboratory.

Date: November 08, 2010

Client: Tetra Tech EM Inc.

Project: 103DG9021-053-05, OMC, Waukegan Work Order Sample Summary

Lab Order: 10110025

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
10110025-001A	AS-W1 10-28-10		10/28/2010	11/1/2010
10110025-002A	AS-N1 10-28-10		10/28/2010	11/1/2010
10110025-003A	AS-E1 10-28-10		10/28/2010	11/1/2010
10110025-004A	AS-S1 10-28-10		10/28/2010	11/1/2010
10110025-005A	AS-S1D 10-28-10		10/28/2010	11/1/2010

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766 Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP 1L300001; AIHA 101160; NVLAP LabCode 101202-

Date Reported: November 08, 2010 **Date Printed:** November 08, 2010

Client: Tetra Tech EM Inc.

Project: 103DG9021-053-05, OMC, Waukegan **Lab Order:** 10110025

Lab ID: 10110025-001 **Collection Date:** 10/28/2010

Client Sample ID AS-W1 10-28-10 Matrix: Air

Analyses Result RL Qualifier Units DF Date Analyzed

 Particulate Matter in Air
 40 CFR PART 50 APP. J
 Prep Date: 11/1/2010
 Analyst: JP

 Particulate Matter (as PM10)
 16500
 100
 μg/filter
 1
 11/5/2010

Lab ID: 10110025-002 **Collection Date:** 10/28/2010

Client Sample ID AS-N1 10-28-10 Matrix: Air

Analyses Result RL Qualifier Units DF Date Analyzed

 Particulate Matter in Air
 40 CFR PART 50 APP. J
 Prep Date: 11/1/2010
 Analyst: JP

 Particulate Matter (as PM10)
 8500
 100
 μg/filter
 1
 11/5/2010

Lab ID: 10110025-003 **Collection Date:** 10/28/2010

Client Sample ID AS-E1 10-28-10 Matrix: Air

Analyses Result RL Qualifier Units DF Date Analyzed

Particulate Matter in Air
Particulate Matter (as PM10)

40 CFR PART 50 APP. J
Prep Date: 11/1/2010
Analyst: JP
particulate Matter (as PM10)
Prep Date: 11/1/2010
Analyst: JP

Lab ID: 10110025-004 **Collection Date:** 10/28/2010

Client Sample ID AS-S1 10-28-10 Matrix: Air

Analyses Result RL Qualifier Units DF Date Analyzed

Particulate Matter in Air
Particulate Matter (as PM10)

40 CFR PART 50 APP. J
Prep Date: 11/1/2010
Analyst: JP
particulate Matter (as PM10)
22700
100
pg/filter
1
11/5/2010

22700 100 pg/mci 1 17/0/2010

 Lab ID:
 10110025-005
 Collection Date:
 10/28/2010

 Client Sample ID
 AS-S1D 10-28-10
 Matrix:
 Air

Analyses Result RL Qualifier Units DF Date Analyzed

Particulate Matter in Air
Particulate Matter (as PM10)

40 CFR PART 50 APP. J
Prep Date: 11/1/2010
Analyst: JP
pug/filter 1 11/5/2010

ND - Not Detected at the Reporting Limit RL - Reporting / Quantitation Limit for the analysis

Qualifiers: J - Analyte detected below quantitation limits S - Spike Recovery outside accepted recovery limits

B - Analyte detected in the associated Method Blank

R - RPD outside accepted recovery limits

HT - Sample received past holding time E - Value above quantitation range

* - Non-accredited parameter H - Holding time exceeded

STAT Analysis Corporation
2242 W. Harrison, Suite 200, Chicago, Illinois 60612 Phone: (312) 733-0551 Fax: (312) 733-2386 e-mail address: ST 4Tinfo(a STAT (nalysis, com AIHA, NVLAP and NELAP accredited

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Sample Receipt Checklist

Client Name TETRA CHICAGO		Date and Tim	ne Received:	11/1/2010 9:30:00 AM
Work Order Number 10110025		Received by:	CDF	
Checklist completed by: Signature Date	11/1/10	Reviewed by:	Initials	N Z (O
Matrix: Carrier name:	<u>FedEx</u>			
Shipping container/cooler in good condition?	Yes 🗸	No 🗌	Not Present	
Custody seals intact on shippping container/cooler?	Yes	No 🗌	Not Present 🗹	
Custody seals intact on sample bottles?	Yes	No 🗌	Not Present 🗹	
Chain of custody present?	Yes 🗸	No 🗌		
Chain of custody signed when relinquished and received?	Yes 🗹	No 🗌		
Chain of custody agrees with sample labels/containers?	Yes 🗸	No 🗌		
Samples in proper container/bottle?	Yes 🗸	No 🗀		
Sample containers intact?	Yes 🗸	No 🗌		
Sufficient sample volume for indicated test?	Yes 🗸	No 🗌		
All samples received within holding time?	Yes 🗸	No 🗌		
Container or Temp Blank temperature in compliance?	Yes 🗸	No 🗌	Temperatur	re Ambient °C
Water - VOA vials have zero headspace? No VOA vials subr	mitted 🖪	Yes 🖳	No 🔠	
Water - Samples pH checked?	Yes	No 🐷	Checked by:	
Water - Samples properly preserved?	Yes 🗓	No 📴	pH Adjusted?	
Any No response must be detailed in the comments section below.				
Comments:				
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Client / Person Date contacted:		Cont	acted by:	
Response:	· · · · · · · · · · · · · · · · · · ·			
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2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-0

November 09, 2010

Tetra Tech EM Inc. 1 South Wacker Drive 37th Floor

Chicago, IL 60606

Telephone: (312) 946-6474 Fax: (312) 938-0118

RE: 103DG9021.053.05, OMC, Waukegan STAT Project No: 10110156

Dear Tom Hahne:

STAT Analysis received 5 samples for the referenced project on 11/4/2010 9:30:00 AM. The analytical results are presented in the following report.

All analyses were performed in accordance with the requirements of 35 IAC Part 186 / NELAC standards. Analyses were performed in accordance with methods as referenced on the analytical report. Those analytical results expressed on a dry weight basis are also noted on the analytical report.

All analyses were performed within established holding time criteria, and all Quality Control criteria met EPA or laboratory specifications except when noted in the Case Narrative or Analytical Report. If required, an estimate of uncertainty for the analyses can be provided. A listing of accredited methods/parameters can also be provided.

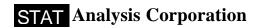
Thank you for the opportunity to serve you and I look forward to working with you in the future. If you have any questions regarding the enclosed materials, please contact me at (312) 733-0551.

Sincerely, Sincerely, Sincerely,

Catia Giannini

Project Manager

The information contained in this report and any attachments is confidential information intended only for the use of the individual or entities named above. The results of this report relate only to the samples tested. If you have received this report in error, please notify us immediately by phone. This report shall not be reproduced, except in its entirety, unless written approval has been obtained from the laboratory.



Date: November 09, 2010

Client: Tetra Tech EM Inc.

Project: 103DG9021.053.05, OMC, Waukegan Work Order Sample Summary

Lab Order: 10110156

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
10110156-001A	AS-N1		11/3/2010	11/4/2010
10110156-002A	AS-E1		11/3/2010	11/4/2010
10110156-003A	AS-W1		11/3/2010	11/4/2010
10110156-004A	AS-S1		11/3/2010	11/4/2010
10110156-005A	AS-S1D		11/3/2010	11/4/2010

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766 Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP 1L300001; AIHA 101160; NVLAP LabCode 101202-

Date Reported: November 09, 2010 **Date Printed:** November 09, 2010

Client: Tetra Tech EM Inc.

Project: 103DG9021.053.05, OMC, Waukegan **Lab Order:** 10110156

Lab ID: 10110156-001 **Collection Date:** 11/3/2010

Client Sample ID AS-N1 Matrix: Air

Analyses Result RL Qualifier Units DF Date Analyzed

 Particulate Matter in Air
 40 CFR PART 50 APP. J
 Prep Date: 11/4/2010
 Analyst: JP

 Particulate Matter (as PM10)
 17100
 100
 μg/filter
 1
 11/4/2010

Lab ID: 10110156-002 **Collection Date:** 11/3/2010

Client Sample ID AS-E1 Matrix: Air

Analyses Result RL Qualifier Units DF Date Analyzed

 Particulate Matter in Air
 40 CFR PART 50 APP. J
 Prep Date: 11/4/2010
 Analyst: JP

 Particulate Matter (as PM10)
 23200
 100
 μg/filter
 1
 11/4/2010

Lab ID: 10110156-003 **Collection Date:** 11/3/2010

Client Sample ID AS-W1 Matrix: Air

Analyses Result RL Qualifier Units DF Date Analyzed

Particulate Matter in Air

Particulate Matter (as PM10)

40 CFR PART 50 APP. J

Prep Date: 11/4/2010

Analyst: JP

24900

100

µg/filter

1

11/4/2010

Lab ID: 10110156-004 **Collection Date:** 11/3/2010

Client Sample ID AS-S1 Matrix: Air

Analyses Result RL Qualifier Units DF Date Analyzed

Particulate Matter in Air
Particulate Matter (as PM10)

40 CFR PART 50 APP. J
Prep Date: 11/4/2010
Analyst: JP
particulate Matter (as PM10)
31600
100
µg/filter
1
11/4/2010

Lab ID: 10110156-005 **Collection Date:** 11/3/2010

Client Sample ID AS-S1D Matrix: Air

Analyses Result RL Qualifier Units DF Date Analyzed

Particulate Matter in Air

40 CFR PART 50 APP. J Prep Date: 11/4/2010 Analyst: JP

Particulate Matter (as PM10) 34600 100 μg/filter 1 11/4/2010

ND - Not Detected at the Reporting Limit

Qualifiers: J - Analyte detected below quantitation limits S - Spike Recovery outside accepted recovery limits

B - Analyte detected in the associated Method Blank

R - RPD outside accepted recovery limits

RL - Reporting / Quantitation Limit for the analysis

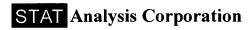
HT - Sample received past holding time E - Value above quantitation range

- Sample received past notding time E - Value above quantitation range

* - Non-accredited parameter H - Holding time exceeded

STAT Analysis Corporation
22-42 W. Harrison, Suite 200, Chicago, Illinois 60612 Phone: (312) 733-0551 Fax: (312) 733-2386 e-pnail address: STATinfo@STATAnalysis.com AIHA, NVLAP and NELAP accredited

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Sample Receipt Checklist

Client Name TETRA CHICAGO		Date and Time	Received: 11/4/2010 9:30:00 AM
Work Order Number 10110156		Received by:	CDF
Checklist completed by: Signature Bete Matrix: Carrier name:	redEx	Reviewed by:	Initials Date
/			
Shipping container/cooler in good condition?	Yes 🗸	No 🗔	Not Present
Custody seals intact on shippping container/cooler?	Yes	No 🗔	Not Present 🗹
Custody seals intact on sample bottles?	Yes	No 🗀	Not Present 🗹
Chain of custody present?	Yes 🗹	No 🗌	
Chain of custody signed when relinquished and received?	Yes 🗹	No 🗀	
Chain of custody agrees with sample labels/containers?	Yes 🗸	No \square	
Samples in proper container/bottle?	Yes 🗹	No 🗀	
Sample containers intact?	Yes 🗹	No 🗌	
Sufficient sample volume for indicated test?	Yes 🗸	No 🗌	
All samples received within holding time?	Yes 🗸	No 🗌	
Container or Temp Blank temperature in compliance?	Yes 🗸	No 🗌	Temperature Ambient °C
Water - VOA vials have zero headspace? No VOA vials subm	itted	Yes 🚇	No we
Water - Samples pH checked?	Yes 🗐	No Sal	Checked by:
Water - Samples properly preserved?	Yes 🖭	No 🔠	pH Adjusted?
Any No response must be detailed in the comments section below.			
Comments:			
Client / Person Date contacted:		Conta	cted by:
Response:			
			1

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766
Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com
Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001;AIHA 101160; NVLAP LabCode 101202-0

November 16, 2010

Tetra Tech EM Inc.
1 South Wacker Drive
37th Floor

Chicago, IL 60606

Telephone: (312) 946-6474 Fax: (312) 938-0118

RE: 103DG9021053.05, OMC, Waukegan

STAT Project No: 10110385

Dear Tom Hahne:

STAT Analysis received 5 samples for the referenced project on 11/12/2010 9:30:00 AM. The analytical results are presented in the following report.

All analyses were performed in accordance with the requirements of 35 IAC Part 186 / NELAC standards. Analyses were performed in accordance with methods as referenced on the analytical report. Those analytical results expressed on a dry weight basis are also noted on the analytical report.

All analyses were performed within established holding time criteria, and all Quality Control criteria met EPA or laboratory specifications except when noted in the Case Narrative or Analytical Report. If required, an estimate of uncertainty for the analyses can be provided. A listing of accredited methods/parameters can also be provided.

Thank you for the opportunity to serve you and I look forward to working with you in the future. If you have any questions regarding the enclosed materials, please contact me at (312) 733-0551.

Sincerely, January Sincerely,

Catia Giannini

Project Manager

The information contained in this report and any attachments is confidential information intended only for the use of the individual or entities named above. The results of this report relate only to the samples tested. If you have received this report in error, please notify us immediately by phone. This report shall not be reproduced, except in its entirety, unless written approval has been obtained from the laboratory.

Date: November 16, 2010

Client: Tetra Tech EM Inc.

Project: 103DG9021053.05, OMC, Waukegan Work Order Sample Summary

Lab Order: 10110385

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
10110385-001A	AS-N1 11-08-10		11/8/2010	11/12/2010
10110385-002A	AS-W1 11-08-10		11/8/2010	11/12/2010
10110385-003A	AS-E1 11-08-10		11/8/2010	11/12/2010
10110385-004A	AS-S1 11-08-10		11/8/2010	11/12/2010
10110385-005A	AS-S1D 11-08-10		11/8/2010	11/12/2010

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766 Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP 1L300001; AIHA 101160; NVLAP LabCode 101202-

Date Reported: November 16, 2010 **Date Printed:** November 16, 2010

Collection Date: 11/8/2010

RL - Reporting / Quantitation Limit for the analysis

Client: Tetra Tech EM Inc.

Lab ID:

Project: 10110385 103DG9021053.05, OMC, Waukegan Lab Order:

Lab ID: 10110385-001 **Collection Date:** 11/8/2010

Client Sample ID AS-N1 11-08-10 Matrix: Filter

Result RL Qualifier Units DF Analyses **Date Analyzed**

Particulate Matter in Air 40 CFR PART 50 APP. J Prep Date: 11/12/2010 Analyst: JP Particulate Matter (as PM10) 54200 100 µg/filter 11/12/2010

Lab ID: 10110385-002 Collection Date: 11/8/2010

Client Sample ID AS-W1 11-08-10 Matrix: Filter

Result **RL Qualifier Units** DF Analyses **Date Analyzed**

Particulate Matter in Air 40 CFR PART 50 APP. J Prep Date: 11/12/2010 Analyst: JP

Particulate Matter (as PM10) 5400 100 11/12/2010

Collection Date: 11/8/2010 Lab ID: 10110385-003

Matrix: Filter AS-E1 11-08-10 Client Sample ID

Result **RL Qualifier Units** DF Analyses **Date Analyzed**

Particulate Matter in Air 40 CFR PART 50 APP. J Prep Date: 11/12/2010 Analyst: JP Particulate Matter (as PM10) 57800 100 µg/filter 11/12/2010

Matrix: Filter Client Sample ID AS-S1 11-08-10

Result **RL Qualifier Units** DF **Date Analyzed** Analyses

40 CFR PART 50 APP. J **Particulate Matter in Air** Prep Date: 11/12/2010 Analyst: JP Particulate Matter (as PM10) 72600 100 µg/filter 11/12/2010

Collection Date: 11/8/2010 Lab ID: 10110385-005

Client Sample ID AS-S1D 11-08-10 Matrix: Filter

DF Result RL Qualifier Units Analyses **Date Analyzed**

40 CFR PART 50 APP. J **Particulate Matter in Air** Prep Date: 11/12/2010 Analyst: JP

Particulate Matter (as PM10) 74100 100 µg/filter 11/12/2010

ND - Not Detected at the Reporting Limit

10110385-004

Qualifiers: J - Analyte detected below quantitation limits S - Spike Recovery outside accepted recovery limits

B - Analyte detected in the associated Method Blank R - RPD outside accepted recovery limits

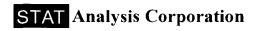
HT - Sample received past holding time E - Value above quantitation range

* - Non-accredited parameter H - Holding time exceeded

STAT Analysis Corporation
2242 W. Harrison, Suite 200, Chricago, Illinois 60612 Phone: (312) 733-0551 Fax: (312) 733-2386

e-mail address: STATinfo@STATAnalysis.com AIHA, NVLAP and NELAP accredited

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Sample Receipt Checklist

Client Name TETRA CHICAGO		Date and Time Received: 11/	12/2010 9:30:00 AM
Work Order Number 10110385		Received by: CIG	
Checklist completed by: Light Signature		Reviewed by: KC	11 12 10 Date
Matrix:	Carrier name <u>FedEx</u>		
Shipping container/cooler in good condition?	Yes 🗸	No Not Present	
Custody seals intact on shippping container/cool	ler? Yes	No	
Custody seals intact on sample bottles?	Yes	No Not Present	
Chain of custody present?	Yes 🗹	No 🗌	
Chain of custody signed when relinquished and	received? Yes ✓	No 🗌	
Chain of custody agrees with sample labels/conf	tainers?	No 🗀	
Samples in proper container/bottle?	Yes 🗸	No 🗔	
Sample containers intact?	Yes 🗹	No	
Sufficient sample volume for indicated test?	Yes 🔽	Noi	
All samples received within holding time?	Yes 🔽	No	
Container or Temp Blank temperature in complia	ance? Yes ✓	No Temperature A	mbient °C
Water - VOA vials have zero headspace?	No VOA vials submitted	Yes No 🐷	
Water - Samples pH checked?	Yes	No Checked by:	
Water - Samples properly preserved?	Yes	No pH Adjusted?	
Any No response must be detailed in the commo	ents section below.		
Comments:			
Client / Person contacted:	Date contacted:	Contacted by:	
Response:			

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-0

November 29, 2010

Tetra Tech EM Inc.
1 South Wacker Drive
37th Floor

Chicago, lL 60606

Telephone: (312) 856-8700 Fax: (312) 938-0118

RE: 103DG9021-053-05, OMC, Waukegan STAT Project No: 10110686

Dear Carol Nissen:

STAT Analysis received 5 samples for the referenced project on 11/22/2010 9:30:00 AM. The analytical results are presented in the following report.

All analyses were performed in accordance with the requirements of 35 IAC Part 186 / NELAC standards. Analyses were performed in accordance with methods as referenced on the analytical report. Those analytical results expressed on a dry weight basis are also noted on the analytical report.

All analyses were performed within established holding time criteria, and all Quality Control criteria met EPA or laboratory specifications except when noted in the Case Narrative or Analytical Report. If required, an estimate of uncertainty for the analyses can be provided. A listing of accredited methods/parameters can also be provided.

Thank you for the opportunity to serve you and I look forward to working with you in the future. If you have any questions regarding the enclosed materials, please contact me at (312) 733-0551.

Sincerely,

Latical Ara-

Catia Giannini

Project Manager

The information contained in this report and any attachments is confidential information intended only for the use of the individual or entities named above. The results of this report relate only to the samples tested. If you have received this report in error, please notify us immediately by phone. This report shall not be reproduced, except in its entirety, unless written approval has been obtained from the laboratory.



Date: November 29, 2010

Client: Tetra Tech EM Inc.

Project: 103DG9021-053-05, OMC, Waukegan Work Order Sample Summary

Lab Order: 10110686

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
10110686-001A	AS-E1-11-18-10		11/18/2010	11/22/2010
10110686-002A	AS-N1-11-18-10		11/18/2010	11/22/2010
10110686-003A	AS-W1-11-18-10		11/18/2010	11/22/2010
10110686-004A	AS-S1-11-18-10		11/18/2010	11/22/2010
10110686-005A	AS-S1D-11-18-10		11/18/2010	11/22/2010

Date: *November* 29, 2010

CASE NARRATIVE

CLIENT: Tetra Tech EM Inc.

Project: 103DG9021-053-05, OMC, Waukegan

Lab Order: 10110686

The following filters were received damaged and/or torn: AS-W1-11-18-10 (10110686-003).

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Accreditation Numbers: IEPA ELAP 100445; ORELAP 1L300001; AIHA 101160; NVLAP LabCode 101202-

Date Reported: November 29, 2010 **Date Printed:** November 29, 2010

Collection Date: 11/18/2010

Matrix: Air

RL - Reporting / Quantitation Limit for the analysis

Client: Tetra Tech EM Inc.

Lab ID:

Client Sample ID

Project: 10110686 103DG9021-053-05, OMC, Waukegan Lab Order:

Lab ID: 10110686-001 **Collection Date:** 11/18/2010

Client Sample ID AS-E1-11-18-10 Matrix: Air

Result RL Qualifier Units DF Analyses **Date Analyzed**

Particulate Matter in Air 40 CFR PART 50 APP. J Prep Date: 11/22/2010 Analyst: JP

Particulate Matter (as PM10) 59800 100 µg/filter 11/24/2010

Lab ID: 10110686-002 Collection Date: 11/18/2010

Client Sample ID AS-N1-11-18-10 Matrix: Air

Result **RL Qualifier Units** DF Analyses **Date Analyzed**

Particulate Matter in Air 40 CFR PART 50 APP. J Prep Date: 11/22/2010 Analyst: JP Particulate Matter (as PM10) 24400 100 11/24/2010

10110686-003 AS-W1-11-18-10 Matrix: Air Client Sample ID

Result **RL Qualifier Units** DF Analyses **Date Analyzed**

Particulate Matter in Air 40 CFR PART 50 APP. J Prep Date: 11/22/2010 Analyst: JP Particulate Matter (as PM10) 180000 100 µg/filter 11/24/2010

Lab ID: 10110686-004 **Collection Date:** 11/18/2010

Matrix: Air Client Sample ID AS-S1-11-18-10

Result **RL Qualifier Units** DF **Date Analyzed** Analyses

40 CFR PART 50 APP. J **Particulate Matter in Air** Prep Date: 11/22/2010 Analyst: JP

Particulate Matter (as PM10) 48700 100 µg/filter 11/24/2010

Collection Date: 11/18/2010 Lab ID: 10110686-005

DF Result RL Qualifier Units Analyses **Date Analyzed**

Particulate Matter in Air 40 CFR PART 50 APP. J Prep Date: 11/22/2010 Analyst: JP

Particulate Matter (as PM10) 50700 100 µg/filter 11/24/2010

ND - Not Detected at the Reporting Limit

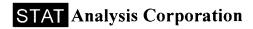
AS-S1D-11-18-10

Qualifiers: J - Analyte detected below quantitation limits S - Spike Recovery outside accepted recovery limits

B - Analyte detected in the associated Method Blank R - RPD outside accepted recovery limits HT - Sample received past holding time E - Value above quantitation range

* - Non-accredited parameter H - Holding time exceeded STAT Analysis Corporation
22 42 W. Harrison, Suite 200, Chēcago, Illinois 60612 Phone: (312) 733-0551 Fax: (312) 733-2386 e-mail address: STATinfo(aSTATAnalysis.com AIHA, NVLAP and NELAP accredited

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Sample Receipt Checklist

Client Name TETRA CHICAGO		Date and Tim	e Received: 11/22/2010 9:30:00 AM
Work Order Number 10110686		Received by:	CDF
Checklist completed by:	11/2/10	Reviewed by:	Initials (1) 22/10
Matrix: Carrier name:	FedEx		
Shipping container/cooler in good condition?	Yes 🗸	No 🗌	Not Present
Custody seals intact on shippping container/cooler?	Yes	No 🗌	Not Present 🗹
Custody seals intact on sample bottles?	Yes	No 🗔	Not Present 🗸
Chain of custody present?	Yes 🗹	No 🗌	
Chain of custody signed when relinquished and received?	Yes 🗸	No 🗌	
Chain of custody agrees with sample labels/containers?	Yes	No 🗹	
Samples in proper container/bottle?	Yes 🗸	No 🗌	
Sample containers intact?	Yes 🗸	No 🗌	
Sufficient sample volume for indicated test?	Yes 🗸	No 🗌	
All samples received within holding time?	Yes 🗸	No 🗌	
Container or Temp Blank temperature in compliance?	Yes 🗸	No 🗌	Temperature Ambient °C
Water - VOA vials have zero headspace? No VOA vials subr	nitted	Yes 💷	No 🕮
Water - Samples pH checked?	Yes	No 🖾	Checked by:
Water - Samples properly preserved?	Yes	No 🗐	pH Adjusted?
Any No response must be detailed in the comments section below.			
Comments:			
Client / Person Date contacted:		Cont	acted by:
Response:			

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-

February 15, 2011

Tetra Tech EM Inc. 1 South Wacker Drive 37th Floor Chicago, IL 60606

Telephone: (312) 856-8700 Fax: (312) 938-0118

RE: 103DG9021-053.05, OMC, Waukegan

Dear Carol Nissen:

STAT Analysis received 5 samples for the referenced project on 2/11/2011 2:00:00 PM. The analytical results are presented in the following report.

All analyses were performed in accordance with the requirements of 35 IAC Part 186 / NELAC standards. Analyses were performed in accordance with methods as referenced on the analytical report. Those analytical results expressed on a dry weight basis are also noted on the analytical report.

STAT Project No: 11020175

All analyses were performed within established holding time criteria, and all Quality Control criteria met EPA or laboratory specifications except when noted in the Case Narrative or Analytical Report. If required, an estimate of uncertainty for the analyses can be provided. A listing of accredited methods/parameters can also be provided.

Thank you for the opportunity to serve you and I look forward to working with you in the future. If you have any questions regarding the enclosed materials, please contact me at (312) 733-0551.

Sincerely, Matrix Aca

Catia Giannini

Project Manager

The information contained in this report and any attachments is confidential information intended only for the use of the individual or entities named above. The results of this report relate only to the samples tested. If you have received this report in error, please notify us immediately by phone. This report shall not be reproduced, except in its entirety, unless written approval has been obtained from the laboratory. This analytical report shall become property of the Customer upon payment in full. Otherwise, STAT will be under no obligation to support, defend or discuss the analytical report.



Date: February 15, 2011

Client: Tetra Tech EM Inc.

Project: 103DG9021-053.05, OMC, Waukegan Work Order Sample Summary

Lab Order: 11020175

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
11020175-001A	AS-S1		2/9/2011	2/11/2011
11020175-002A	AS-S1D		2/9/2011	2/11/2011
11020175-003A	AS-N1		2/9/2011	2/11/2011
11020175-004A	AS-E1		2/9/2011	2/11/2011
11020175-005A	AS-W1		2/9/2011	2/11/2011

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766 Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP 1L300001; AIHA 101160; NVLAP LabCode 101202-

Date Reported: February 15, 2011 **Date Printed:** February 15, 2011

Client: Tetra Tech EM Inc.

Project: 103DG9021-053.05, OMC, Waukegan **Lab Order:** 11020175

Lab ID: 11020175-001 **Collection Date:** 2/9/2011

Client Sample ID AS-S1 Matrix: Air

Analyses Result RL Qualifier Units DF Date Analyzed

Particulate Matter in Air

Particulate Matter in Air

Particulate Matter (as PM10)

40 CFR PART 50 APP. J

Prep Date: 2/11/2011

Analyst: RW

2/14/2011

Lab ID: 11020175-002 **Collection Date:** 2/9/2011

Client Sample ID AS-S1D Matrix: Air

Analyses Result RL Qualifier Units DF Date Analyzed

Particulate Matter in Air

Particulate Matter (as PM10)

40 CFR PART 50 APP. J

Prep Date: 2/11/2011

Analyst: RW

2/14/2011

Lab ID: 11020175-003 **Collection Date:** 2/9/2011

Client Sample ID AS-N1 Matrix: Air

Analyses Result RL Qualifier Units DF Date Analyzed

Particulate Matter in Air40 CFR PART 50 APP. JPrep Date: 2/11/2011Analyst: RWParticulate Matter (as PM10)22900100μg/filter12/14/2011

Lab ID: 11020175-004 **Collection Date:** 2/9/2011

Client Sample ID AS-E1 Matrix: Air

Analyses Result RL Qualifier Units DF Date Analyzed

Particulate Matter in Air
Particulate Matter (as PM10)

40 CFR PART 50 APP. J
Prep Date: 2/11/2011
Analyst: RW
2/14/2011

Lab ID: 11020175-005 **Collection Date:** 2/9/2011

Client Sample ID AS-W1 Matrix: Air

Analyses Result RL Qualifier Units DF Date Analyzed

Particulate Matter in Air

40 CFR PART 50 APP. J Prep Date: 2/11/2011 Analyst: RW

Particulate Matter (as PM10) 78000 100 μg/filter 1 2/14/2011

ND - Not Detected at the Reporting Limit

Qualifiers: J - Analyte detected below quantitation limits S - Spike Recovery outside accepted recovery limits

Analyte detected below quantitation films S - Spike Recovery outside accepted recovery films

RL - Reporting / Quantitation Limit for the analysis

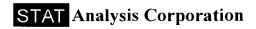
B - Analyte detected in the associated Method Blank
HT - Sample received past holding time

R - RPD outside accepted recovery limits
E - Value above quantitation range

* - Non-accredited parameter H - Holding time exceeded

STAT Analysis Corporation
2242 W. Harrison, Suite 200, Chicago, Willianis 60612 Phone: (312) 733-0551 Fax: (312) 733-2386 e-mail address: STATinfora STATAnalysis_com AIHA, NVLAP and NELAP accredited

Nº: 834318 Page: CHAIN OF CUSTODY RECORD P.O. No.: Company: 26 Client Tracking No.: Project Number: Quote No.: Project Name: Project Location: Sampler(s): Phone: Report To: Turn Around Fax: OC Level: 1 e-mail: Results Needed: Time No of am/pm Client Sample Number/Description: Date Taken Taken Contamers Remarks Lab No.: 001 07/1/0/-5.51D ത്രമ CO3 N - E1 004 ASINI 005 Date/Fime Z/10/1 /60/ Comments: Laboratory Work Order No.: Relinquished by: (Sig nature) Date/Time: Z/W/11 1400 Received by: (Signature) -Relinquished by: (Signate Date/Time Received on Ice: Yes Received by: (Sign Date/Time: Relinquished by: (Signature) Date/Time. Preservation Code: A = None B = HNO₃ C = NaOH Temperature: Date/Time: $D = H_5SO_a$ E = HCI F = 5035/EnCore G = OtherReceived by: (Signature)



Sample Receipt Checklist

Client Name TETRA CHICAGO				Date and Tim	e Received:	2/11/2011 2:00:00 PM
Work Order Number 11020175				Received by:	CDF	
Checklist completed by:	Date	-/u/r	l	Reviewed by:	Initials	2 14 11
Matrix	Carrier name:	<u>FedEx</u>				
Shipping container/cooler in good condition?		Yes 🗸	•]	No 🗌	Not Present	
Custody seals intact on shippping container/cooler?	,	Yes 🗌]	No 🗌	Not Present	
Custody seals intact on sample bottles?		Yes	-	No 🗌	Not Present 🗹	
Chain of custody present?		Yes 🗸	3	No 🗆		
Chain of custody signed when relinquished and reco	eived?	Yes 🗹		No \square		
Chain of custody agrees with sample labels/contain	ers?	Yes 🗸	•	No 🗌		
Samples in proper container/bottle?		Yes 🗸	•	No 🗌		
Sample containers intact?		Yes 🗸	•	No 🗌		
Sufficient sample volume for indicated test?		Yes 🗸	•	No 🗆		
All samples received within holding time?		Yes 🗸	·]	No 🗌		
Container or Temp Blank temperature in compliance	e?	Yes 🗸	3	No 🗌	Temperatu	re Ambient °C
Water - VOA vials have zero headspace?	No VOA vials subm	nittec [Yes 🗔	No 🗌	
Water - Samples pH checked?		Yes		No 🗀	Checked by:	
Water - Samples properly preserved?		Yes		No 🔄	pH Adjusted?	
Any No response must be detailed in the comments	s section below.					
			· · · · ·			
Comments:		****				
						,
Client / Person Contacted:	ite contacted:			Conta	acted by:	
Response:						
	·					

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-

March 02, 2011

Tetra Tech EM Inc.
1 South Wacker Drive
37th Floor

Chicago, IL 60606

Telephone: (312) 946-6474 Fax: (312) 938-0118

RE: 103DG9021.053.07, OMC, Waukegan

Dear Tom Hahne:

STAT Analysis received 2 samples for the referenced project on 2/25/2011 11:30:00 AM. The analytical results are presented in the following report.

All analyses were performed in accordance with the requirements of 35 IAC Part 186 / NELAC standards. Analyses were performed in accordance with methods as referenced on the analytical report. Those analytical results expressed on a dry weight basis are also noted on the analytical report.

STAT Project No: 11020477

All analyses were performed within established holding time criteria, and all Quality Control criteria met EPA or laboratory specifications except when noted in the Case Narrative or Analytical Report. If required, an estimate of uncertainty for the analyses can be provided. A listing of accredited methods/parameters can also be provided.

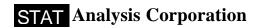
Thank you for the opportunity to serve you and I look forward to working with you in the future. If you have any questions regarding the enclosed materials, please contact me at (312) 733-0551.

Sincerely,

Catia Giannini

Project Manager

The information contained in this report and any attachments is confidential information intended only for the use of the individual or entities named above. The results of this report relate only to the samples tested. If you have received this report in error, please notify us immediately by phone. This report shall not be reproduced, except in its entirety, unless written approval has been obtained from the laboratory. This analytical report shall become property of the Customer upon payment in full. Otherwise, STAT will be under no obligation to support, defend or discuss the analytical report.



Date: March 02, 2011

Client: Tetra Tech EM Inc.

Project: 103DG9021.053.07, OMC, Waukegan Work Order Sample Summary

Lab Order: 11020477

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
11020477-001A	L6-UST		2/24/2011 2:00:00 PM	2/25/2011
11020477-001B	L6-UST		2/24/2011 2:00:00 PM	2/25/2011
11020477-001C	L6-UST		2/24/2011 2:00:00 PM	2/25/2011
11020477-002A	ODC-Tunnel		2/24/2011 1:30:00 PM	2/25/2011
11020477-002B	ODC-Tunnel		2/24/2011 1:30:00 PM	2/25/2011
11020477-002C	ODC-Tunnel		2/24/2011 1:30:00 PM	2/25/2011

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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-

Date Reported: March 02, 2011 **Date Printed:** March 02, 2011

Client: Tetra Tech EM Inc.

Lab Order:

Client Sample ID: L6-UST

Project: 103DG9021.053.07, OMC, Waukegan Collection Date: 2/24/2011 2:00:00 PM

Matrix: Water Lab ID: 11020477-001

Analyses	Result	Result RL Qualifier Units DF							
PCBs	SW8	082 (SW3	510C)	Pre	p Date: 2/28/2011	Analyst: GVC			
Aroclor 1016	ND	0.0005	,	mg/L	1	2/28/2011			
Aroclor 1221	ND	0.0005		mg/L	1	2/28/2011			
Aroclor 1232	ND	0.0005		mg/L	1	2/28/2011			
Aroclor 1242	0.023	0.0005		mg/L	1	2/28/2011			
Aroclor 1248	ND	0.0005		mg/L	1	2/28/2011			
Aroclor 1254	0.016	0.0005		mg/L	1	2/28/2011			
Aroclor 1260	ND	0.0005		mg/L	1	2/28/2011			
TCLP Mercury	SW1	311/7470	4	Pre	p Date: 2/28/2011	Analyst: LB			
Mercury	ND	0.0002		mg/L	1	3/1/2011			
Mercury	SW7	470A		Pre	p Date: 2/28/2011	Analyst: LB			
Mercury	ND	0.0002		mg/L	1	3/1/2011			
TCLP Metals by ICP/MS	SW1	311/6020	(SW3005A)	Pre	p Date: 2/28/2011	Analyst: JG			
Arsenic	0.069	0.01		mg/L	5	2/28/2011			
Barium	0.15	0.05		mg/L	5	2/28/2011			
Cadmium	ND	0.005		mg/L	5	2/28/2011			
Chromium	ND	0.01		mg/L	5	2/28/2011			
Lead	ND	0.0075		mg/L	5	2/28/2011			
Selenium	0.49	0.01		mg/L	5	2/28/2011			
Silver	ND	0.01		mg/L	5	2/28/2011			
Metals by ICP/MS	SW6	020 (SW3	005A)	Pre	p Date: 2/28/2011	Analyst: JG			
Arsenic	0.082	0.004		mg/L	2	2/28/2011			
Barium	4.8	0.2		mg/L	100	3/1/2011			
Cadmium	0.0036	0.002		mg/L	2	2/28/2011			
Chromium	0.086	0.004		mg/L	2	2/28/2011			
Lead	0.11	0.003		mg/L	2	2/28/2011			
Selenium	0.39	0.004		mg/L	2	2/28/2011			
Silver	ND	0.004		mg/L	2	2/28/2011			
TCLP Semivolatile Organic Compounds	SW1	311/82700	(SW3510C) Pre	p Date: 2/28/2011	Analyst: DM			
1,4-Dichlorobenzene	ND	0.01		mg/L	1	2/28/2011			
2,4-Dinitrotoluene	ND	0.01		mg/L	1	2/28/2011			
Hexachlorobenzene	ND	0.01		mg/L	1	2/28/2011			
Hexachlorobutadiene	ND	0.01		mg/L	1	2/28/2011			
Hexachloroethane	ND	0.01		mg/L	1	2/28/2011			
Nitrobenzene	ND	0.01		mg/L	1	2/28/2011			
2-methylphenol	ND	0.01		mg/L	1	2/28/2011			
3- & 4-Methylphenol	0.022	0.01		mg/L	1	2/28/2011			

ND - Not Detected at the Reporting Limit

Qualifiers: J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

HT - Sample received past holding time

* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis

S - Spike Recovery outside accepted recovery limits

s - Spike Recovery outside accepted recovery mint

R - RPD outside accepted recovery limits $% \left\{ 1,2,\ldots ,n\right\}$

E - Value above quantitation range

H - Holding time exceeded

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Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-

Date Reported: March 02, 2011 **Date Printed:** March 02, 2011

Client: Tetra Tech EM Inc.

11020477

Project: 103DG9021.053.07, OMC, Waukegan

Lab ID: 11020477-001

Lab Order:

Client Sample ID: L6-UST

Collection Date: 2/24/2011 2:00:00 PM

Matrix: Water

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Semivolatile Organic Compounds	SW131	11/8270C	(SW35100) Pre	o Date: 2/28/	2011 Analyst: DM
Pentachlorophenol	0.068	0.05	-	mg/L	1	2/28/2011
Pyridine	ND	0.01		mg/L	1	2/28/2011
2,4,5-Trichlorophenol	0.016	0.01		mg/L	1	2/28/2011
2,4,6-Trichlorophenol	ND	0.01		mg/L	1	2/28/2011
TCLP Volatile Organic Compounds by GC	/MS SW131	11/8260B	(SW5030E	B) Pre	o Date: 2/25/	2011 Analyst: ART
Benzene	ND	0.05		mg/L	10	2/25/2011
2-Butanone	ND	0.2		mg/L	10	2/25/2011
Carbon tetrachloride	ND	0.05		mg/L	10	2/25/2011
Chlorobenzene	ND	0.05		mg/L	10	2/25/2011
Chloroform	ND	0.05		mg/L	10	2/25/2011
1,2-Dichloroethane	ND	0.05		mg/L	10	2/25/2011
1,1-Dichloroethene	ND	0.05		mg/L	10	2/25/2011
Tetrachloroethene	ND	0.05		mg/L	10	2/25/2011
Trichloroethene	ND	0.05		mg/L	10	2/25/2011
Vinyl chloride	ND	0.05		mg/L	10	2/25/2011
Cyanide, Total	SW901	12A		Pre	o Date: 3/1/2	011 Analyst: YZ
Cyanide	ND	0.01		mg/L	1	3/1/2011
Flash Point (Open-Cup)	SW10 ²	10		Pre	o Date: 2/28/	2011 Analyst: RW
Flashpoint No flas	sh up to 212			°F	1	2/28/2011
рН	E150.1			Pre	o Date: 2/25/	2011 Analyst: MNG
рН	10.8		* 1	oH units	1	2/25/2011
Phenolics	SW906	66 (SW9	065)	Pre	o Date: 2/26/ 2	2011 Analyst: BPJ
Phenolics, Total Recoverable	4.5	0.5		mg/L	100	2/26/2011
Sulfide, Reactive	SW7.3	.4.2		Pre	Date: 3/1/2	011 Analyst: YZ
Reactive Sulfide	ND	10		mg/L	1	3/1/2011
тох	SW902	20B		Pre	o Date: 3/1/2	011 Analyst: YZ
TOX	ND	0.2		mg/L	1	3/1/2011

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

HT - Sample received past holding time

* - Non-accredited parameter

Qualifiers:

RL - Reporting / Quantitation Limit for the analysis

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

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Accreditation Numbers: IEPA ELAP 100445; ORELAP 1L300001; AIHA 101160; NVLAP LabCode 101202-

Date Reported: March 02, 2011 **Date Printed:** March 02, 2011

Client: Tetra Tech EM Inc.

11020477

103DG9021.053.07, OMC, Waukegan

Lab ID: 11020477-002

Lab Order:

Project:

Client Sample ID: ODC-Tunnel

Collection Date: 2/24/2011 1:30:00 PM

Matrix: Water

Analyses	Result RL Qualifie				DF	Date Analyzed				
PCBs	SW8	082 (SW3	510C)	Prep	Date: 2/28/201	1 Analyst: GVC				
Aroclor 1016	ND	0.0005		mg/L	1	2/28/2011				
Aroclor 1221	ND	0.0005		mg/L	1	2/28/2011				
Aroclor 1232	ND	0.0005		mg/L	1	2/28/2011				
Aroclor 1242	0.36	0.005		mg/L	10	2/28/2011				
Aroclor 1248	ND	0.0005		mg/L	1	2/28/2011				
Aroclor 1254	0.066	0.0005		mg/L	1	2/28/2011				
Aroclor 1260	ND	0.0005		mg/L	1	2/28/2011				
TCLP Mercury	SW1	311/7470 <i>A</i>	١	Prep	Date: 2/28/201	1 Analyst: LB				
Mercury	ND	0.0002		mg/L	1	3/1/2011				
Mercury	SW7	470A		Prep	Date: 2/28/201	1 Analyst: LB				
Mercury	ND	0.0002		mg/L	1	3/1/2011				
TCLP Metals by ICP/MS	SW1	311/6020	(SW3005A)	Prep	Date: 2/28/201	1 Analyst: JG				
Arsenic	ND	0.01		mg/L	5	2/28/2011				
Barium	0.084	0.05		mg/L	5	2/28/2011				
Cadmium	ND	0.005		mg/L	5	2/28/2011				
Chromium	ND	0.01		mg/L	5	2/28/2011				
Lead	ND	0.0075		mg/L	5	2/28/2011				
Selenium	ND	0.01		mg/L	5	2/28/2011				
Silver	ND	0.01		mg/L	5	2/28/2011				
Metals by ICP/MS	SW6	020 (SW3	005A)	Prep	Date: 2/28/201	1 Analyst: JG				
Arsenic	0.017	0.004		mg/L	2	2/28/2011				
Barium	0.066	0.004		mg/L	2	2/28/2011				
Cadmium	ND	0.002		mg/L	2	2/28/2011				
Chromium	0.016	0.004		mg/L	2	2/28/2011				
Lead	0.064	0.003		mg/L	2	2/28/2011				
Selenium	ND	0.004		mg/L	2	2/28/2011				
Silver	ND	0.004		mg/L	2	2/28/2011				
TCLP Semivolatile Organic Compounds	SW1	311/82700	(SW35100	C) Prep	Date: 2/28/201	1 Analyst: DM				
1,4-Dichlorobenzene	ND	0.01		mg/L	1	2/28/2011				
2,4-Dinitrotoluene	ND	0.01		mg/L	1	2/28/2011				
Hexachlorobenzene	ND	0.01		mg/L	1	2/28/2011				
Hexachlorobutadiene	ND	0.01		mg/L	1	2/28/2011				
Hexachloroethane	ND	0.01		mg/L	1	2/28/2011				
Nitrobenzene	ND	0.01		mg/L	1	2/28/2011				
2-methylphenol	0.022	0.01		mg/L	1	2/28/2011				
3- & 4-Methylphenol	2.3	0.2		mg/L	20	3/1/2011				

ND - Not Detected at the Reporting Limit

Qualifiers: J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

HT - Sample received past holding time

* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

ii - Holding time exec

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Accreditation Numbers: IEPA ELAP 100445; ORELAP 1L300001; AIHA 101160; NVLAP LabCode 101202-

Date Reported: March 02, 2011 **Date Printed:** March 02, 2011

Client: Tetra Tech EM Inc.

11020477

Project: 103DG9021.053.07, OMC, Waukegan

11020477-002 Lab ID:

Lab Order:

Client Sample ID: ODC-Tunnel

Collection Date: 2/24/2011 1:30:00 PM

Matrix: Water

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed				
TCLP Semivolatile Organic Compounds	SW13	11/8270C	(SW3510	C) Prep	Date: 2/28/2011	Analyst: DM				
Pentachlorophenol	ND	0.05		mg/L	1	2/28/2011				
Pyridine	ND	0.01		mg/L	1	2/28/2011				
2,4,5-Trichlorophenol	ND	0.01		mg/L	1	2/28/2011				
2,4,6-Trichlorophenol	ND	0.01		mg/L	1	2/28/2011				
TCLP Volatile Organic Compounds by GC/MS	S SW13	11/8260E	(SW5030	B) Prep	Date: 2/24/2017	Analyst: ART				
Benzene	ND	0.05		mg/L	10	2/25/2011				
2-Butanone	ND	0.2		mg/L	10	2/25/2011				
Carbon tetrachloride	ND	0.05		mg/L	10	2/25/2011				
Chlorobenzene	ND	0.05		mg/L	10	2/25/2011				
Chloroform	ND	0.05		mg/L	10	2/25/2011				
1,2-Dichloroethane	ND	0.05		mg/L	10	2/25/2011				
1,1-Dichloroethene	ND	0.05		mg/L	10	2/25/2011				
Tetrachloroethene	ND	0.05		mg/L	10	2/25/2011				
Trichloroethene	ND	0.05		mg/L	10	2/25/2011				
Vinyl chloride	ND	0.05		mg/L	10	2/25/2011				
Cyanide, Total	SW90	12A		Prep	Date: 3/1/2011	Analyst: YZ				
Cyanide	ND	0.01		mg/L	1	3/1/2011				
Flash Point (Open-Cup)	SW10	10		Prep	Date: 2/28/2017	Analyst: RW				
Flashpoint No flash u	p to 212			°F	1	2/28/2011				
рН	E150.	1		Prep	Date: 2/25/201	Analyst: MNG				
рН	11.5		*	pH units	1	2/25/2011				
Phenolics	SW90	66 (SW9	065)	Prep	Date: 2/26/201	Analyst: BPJ				
Phenolics, Total Recoverable	4.8	0.5		mg/L	100	2/26/2011				
Sulfide, Reactive	SW7.3	3.4.2		Prep	Date: 3/1/2011	Analyst: YZ				
Reactive Sulfide	ND	10		mg/L	1	3/1/2011				
тох	SW90	20B		Prep	Date: 3/1/2011	Analyst: YZ				
TOX	0.23	0.2		mg/L	1	3/1/2011				

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

HT - Sample received past holding time

* - Non-accredited parameter

Qualifiers:

RL - Reporting / Quantitation Limit for the analysis

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

STAT Analysis Corporation
2242 W. Harrison, Suite 200, Chicago, Illinois 60612 Phone: (312) 733-0551 Fax: (312) 733-2386

e-rnail address: STATinfo(a)STATAnalysis.com

AIHA, NVLAP and NELAP accredited

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Sample Receipt Checklist

Client Name TETRA CHICAGO			Date and Time Received: 2/25/2011 11:30:00 AM								
Work Order Number 11020477	• / /		Received by:	CDF							
Checklist completed by:	Date	2/25/11	Reviewed by:	Initials	$2 \left \frac{28}{\text{Date}} \right 1$						
Matrix:	Carrier name:	<u>FedEx</u>									
[/ L	// 		$ egin{array}{c} \end{array}$								
Shipping container/cooler in good cond		Yes 🗹	No 🗌	Not Present							
Custody seals intact on shippping conf		Yes 🗌	No 🗌	Not Present ✓							
Custody seals intact on sample bottles	;?	Yes	No 🗌	Not Present ✓							
Chain of custody present?		Yes 🗹	No 🗌								
Chain of custody signed when relinquis	shed and received?	Yes 🗸	No 🗌								
Chain of custody agrees with sample la	abels/containers?	Yes 🗸	No 🗌								
Samples in proper container/bottle?		Yes 🗸	No 🗌								
Sample containers intact?		Yes 🗹	No 🗀								
Sufficient sample volume for indicated	test?	Yes 🗹	No 🗌								
All samples received within holding time	ne?	Yes 🗸	No 🗀								
Container or Temp Blank temperature	in compliance?	Yes 🗹	No 🗌	Temperature	1.8 °C						
Water - VOA vials have zero headspace	ce? No VOA vials subm	nitted	Yes	No 🗹							
Water - Samples pH checked?		Yes 🗸	No 🗌	Checked by:	CA						
Water - Samples properly preserved?		Yes 🗹	No 🗌	pH Adjusted?	10 0						
Any No response must be detailed in t	he comments section below.										
				comment of the co							
Comments: $2 \cdot 6 \cdot 3$	VOA Vials	For	Sample	6-65	T Have						
Headspace			•								
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Client / Person contacted:	Date contacted:		Cont	acted by:							
Response: VOA VIQ	15 without 1	neadsp	ale n	vere use	d tor						
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Craig Chawla

From: Nissen, Carol [Carol.Nissen@tetratech.com]

Sent: Friday, February 25, 2011 1:14 PM

To: Craig Chawla Subject: Liquid samples

HI Craig, please run the 2 liquid samples (L6-UST and ODC trench) for the following:

pH flashpoint cyanide total sulfide total phenolics total total RCRA metals TCLP metals TCLP volatiles TCLP semi-volatiles % chlorine

Do a PCB if there is enough volume.

Thanks.

Carol Nissen, PG, PE | Environmental Engineer

Direct: 312.201.7411 | Main: 312.201.7700 | Fax: 312.201.0031

carol nissen@ttemi.com

3 cl is Tech | Chicago Office

1.3 Wacker Drive 37th Floor | Chicago, IL 60606 | www.tetratech.com

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2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-

March 08, 2011

Tetra Tech EM Inc.
1 South Wacker Drive
37th Floor
Chicago II 60606

Chicago, IL 60606

Telephone: (312) 946-6474 Fax: (312) 938-0118

RE: 103DG9021-053-05, OMC, Waukegan, IL STAT Project No: 11030079

Dear Tom Hahne:

STAT Analysis received 5 samples for the referenced project on 3/3/2011 10:30:00 AM. The analytical results are presented in the following report.

All analyses were performed in accordance with the requirements of 35 IAC Part 186 / NELAC standards. Analyses were performed in accordance with methods as referenced on the analytical report. Those analytical results expressed on a dry weight basis are also noted on the analytical report.

All analyses were performed within established holding time criteria, and all Quality Control criteria met EPA or laboratory specifications except when noted in the Case Narrative or Analytical Report. If required, an estimate of uncertainty for the analyses can be provided. A listing of accredited methods/parameters can also be provided.

Thank you for the opportunity to serve you and I look forward to working with you in the future. If you have any questions regarding the enclosed materials, please contact me at (312) 733-0551.

Sincerely, batia Acai

Catia Giannini

Project Manager

The information contained in this report and any attachments is confidential information intended only for the use of the individual or entities named above. The results of this report relate only to the samples tested. If you have received this report in error, please notify us immediately by phone. This report shall not be reproduced, except in its entirety, unless written approval has been obtained from the laboratory. This analytical report shall become property of the Customer upon payment in full. Otherwise, STAT will be under no obligation to support, defend or discuss the analytical report.



Date: March 08, 2011

Client: Tetra Tech EM Inc.

Project: 103DG9021-053-05, OMC, Waukegan, IL Work Order Sample Summary

Lab Order: 11030079

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
11030079-001A	AS-E1 03-01-11		3/1/2011	3/3/2011
11030079-002A	AS-N1 03-01-11		3/1/2011	3/3/2011
11030079-003A	AS-W1 03-01-11		3/1/2011	3/3/2011
11030079-004A	AS-S1 03-01-11		3/1/2011	3/3/2011
11030079-005A	AS-S1D 03-01-11		3/1/2011	3/3/2011

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Accreditation Numbers: IEPA ELAP 100445; ORELAP 1L300001; AIHA 101160; NVLAP LabCode 101202-

RL Qualifier Units

Date Reported: March 08, 2011 **Date Printed:** March 08, 2011

DF

DF

Date Analyzed

Client:	Tetra Tech EM Inc.
CHCHI.	Toua Toon Environce.

Analyses

11030079 **Project:** 103DG9021-053-05, OMC, Waukegan, IL Lab Order:

Lab ID: 11030079-001 Collection Date: 3/1/2011

Result

Client Sample ID AS-E1 03-01-11 Matrix: Air

Particulate Matter in Air 40 CFR PART 50 APP. J Prep Date: 3/3/2011 Analyst: RW

Particulate Matter (as PM10) 23900 100 µg/filter 3/7/2011

Lab ID: 11030079-002 Collection Date: 3/1/2011

Client Sample ID AS-N1 03-01-11 Matrix: Air

Result **RL Qualifier Units** DF Analyses **Date Analyzed**

Particulate Matter in Air 40 CFR PART 50 APP. J Prep Date: 3/3/2011 Analyst: RW Particulate Matter (as PM10) 33200 100 3/7/2011

11030079-003 Collection Date: 3/1/2011 Lab ID:

AS-W1 03-01-11 Matrix: Air Client Sample ID

Result **RL Qualifier Units** Analyses **Date Analyzed**

40 CFR PART 50 APP. J **Particulate Matter in Air** Prep Date: 3/3/2011 Analyst: RW Particulate Matter (as PM10) 48400 100 µg/filter 3/7/2011

Collection Date: 3/1/2011 Lab ID: 11030079-004

Matrix: Air Client Sample ID AS-S1 03-01-11

Result **RL Qualifier Units** DF **Date Analyzed** Analyses

40 CFR PART 50 APP. J **Particulate Matter in Air** Prep Date: 3/3/2011 Analyst: RW Particulate Matter (as PM10) 39700 100 µg/filter 3/7/2011

Collection Date: 3/1/2011 Lab ID: 11030079-005

Client Sample ID AS-S1D 03-01-11 Matrix: Air

DF Result RL Qualifier Units Analyses **Date Analyzed**

Particulate Matter in Air 40 CFR PART 50 APP. J Prep Date: 3/3/2011 Analyst: RW

Particulate Matter (as PM10) 40500 100 µg/filter 3/7/2011

ND - Not Detected at the Reporting Limit

RL - Reporting / Quantitation Limit for the analysis Qualifiers: J - Analyte detected below quantitation limits S - Spike Recovery outside accepted recovery limits

B - Analyte detected in the associated Method Blank R - RPD outside accepted recovery limits HT - Sample received past holding time E - Value above quantitation range

* - Non-accredited parameter H - Holding time exceeded Analysis Corporation
2242 W. Harrison, Suite 200, Chicago, Illinois 60612 Phone: (312) 733-0551 Fax: (312) 733-2386

e-mail address: STATimfo@STAT4nalysis.com AIHA, NVLAP and NELAP accredited

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Sample Receipt Checklist

Client Name TETRA CHICAGO				Date and Tin	ne Receive	ed:	3/3/2011 10:30:00 AM
Work Order Number 11030079				Received by:	CE	F	1
Checklist completed by:	Date	3/3/	<i>J</i> vi	Reviewed by	: C	16	314/11 Date
Matrix:	Carrier name:	FedE	x				
Shipping container/cooler in good condition?		Yes	✓	No 🗌	Not Pres	ent 🗌	
Custody seals intact on shippping container/cool	er?	Yes		No 🗌	Not Pres	ent 🗹	
Custody seals intact on sample bottles?		Yes		No 🗌	Not Pres	ent 🗹	
Chain of custody present?		Yes	✓	No 🗌			
Chain of custody signed when relinquished and	eceived?	Yes	J	No 🗌			
Chain of custody agrees with sample labels/cont	ainers?	Yes	✓	No 🔲			
Samples in proper container/bottle?		Yes		No 🗌			
Sample containers intact?		Yes	✓	No 🗌			
Sufficient sample volume for indicated test?		Yes	✓	No 🗌			
All samples received within holding time?		Yes	✓	No 🗌			
Container or Temp Blank temperature in complia	ince?	Yes	✓	No 🗌	Te	mperatu	re Ambient °C
Water - VOA vials have zero headspace?	No VOA vials subm	itted	: .	Yes	No		
Water - Samples pH checked?		Yes	2	No 🗔	Checke	d by:	
Water - Samples properly preserved?		Yes		No 🗌	pH Adjus	sted?	
Any No response must be detailed in the comme	ents section below.						
Comments:							
Client / Person contacted:	Date contacted:			Cont	acted by:		
Response:							

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-

March 15, 2011

Tetra Tech EM Inc. 1 South Wacker Drive 37th Floor

Chicago, IL 60606

Telephone: (312) 946-6474 Fax: (312) 938-0118

RE: 103DG9021.053.05, OMC, Waukegan STAT Project No: 11030344

Dear Tom Hahne:

STAT Analysis received 1 sample for the referenced project on 3/15/2011 1:05:00 PM. The analytical results are presented in the following report.

All analyses were performed in accordance with the requirements of 35 IAC Part 186 / NELAC standards. Analyses were performed in accordance with methods as referenced on the analytical report. Those analytical results expressed on a dry weight basis are also noted on the analytical report.

All analyses were performed within established holding time criteria, and all Quality Control criteria met EPA or laboratory specifications except when noted in the Case Narrative or Analytical Report. If required, an estimate of uncertainty for the analyses can be provided. A listing of accredited methods/parameters can also be provided.

Thank you for the opportunity to serve you and I look forward to working with you in the future. If you have any questions regarding the enclosed materials, please contact me at (312) 733-0551.

Sincerely,

Katelin Lewis

Project Mananger

Katele Lewis

The information contained in this report and any attachments is confidential information intended only for the use of the individual or entities named above. The results of this report relate only to the samples tested. If you have received this report in error, please notify us immediately by phone. This report shall not be reproduced, except in its entirety, unless written approval has been obtained from the laboratory. This analytical report shall become property of the Customer upon payment in full. Otherwise, STAT will be under no obligation to support, defend or discuss the analytical report.

Date: March 15, 2011

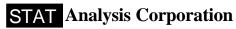
Client: Tetra Tech EM Inc.

Project: 103DG9021.053.05, OMC, Waukegan Work Order Sample Summary

Lab Order: 11030344

Lab Sample ID Client Sample ID Tag Number Collection Date Received

11030344-001A Trench Effluent 3/15/2011 8:50:00 AM 3/15/2011



2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Report Date: March 15, 2011 Print Date: March 15, 2011

Client: Tetra Tech EM Inc. Client Sample ID: Trench Effluent

Lab Order: 11030344 Tag Number:

Project: 103DG9021.053.05, OMC, Waukegan **Collection Date**: 3/15/2011 8:50:00 AM

Lab ID: 11030344-001A **Matrix:** Water

Analyses	Result	RL Qual	ifier Units	DF	Date Analyzed
PCBs	SW808	32 (SW3510C)	Prep	Date: 3/15/20	11 Analyst: OES
Aroclor 1016	ND	0.0005	mg/L	1	3/15/2011
Aroclor 1221	ND	0.0005	mg/L	1	3/15/2011
Aroclor 1232	ND	0.0005	mg/L	1	3/15/2011
Aroclor 1242	ND	0.0005	mg/L	1	3/15/2011
Aroclor 1248	ND	0.0005	mg/L	1	3/15/2011
Aroclor 1254	ND	0.0005	mg/L	1	3/15/2011
Aroclor 1260	ND	0.0005	mg/L	1	3/15/2011

ND - Not Detected at the Reporting Limit

Qualifiers: J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

HT - Sample received past holding time

* - Non-accredited parameter

RL - $Reporting\ /\ Quantitation\ Limit\ for\ the\ analysis$

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

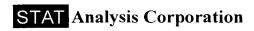
E - Value above quantitation range

H - Holding time exceeded

STAT Analysis Corporation
22-42 W. Harrison, Suite 200, Chicago, Illinois 60612 Phone: (312) 733-0551 Fax: (312) 733-2386 e-mail address: STATinfo(a STATAnchysis.com AIHA, NVLAP and NELAP accredited

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Sample Receipt Checklist

Client Name TETRA CHICAG	GO		Date and Tin	ne Received:	3/15/2011 1:05:00 PM
Work Order Number 11030	344		Received by:	CDF	
Checklist completed by:	Kire Date	3/15/11	Reviewed by	Initials	3 [15] 11
Matrix:	Carrier name:	STAT Analysis			
Shipping container/cooler in go	ood condition?	Yes 🗹	No 🗌	Not Present	
Custody seals intact on shippp	oing container/cooler?	Yes	No 🗌	Not Present 🗹	
Custody seals intact on sample	e bottles?	Yes	No 🗌	Not Present 🗸	
Chain of custody present?		Yes 🗹	No 🗌		
Chain of custody signed when	relinquished and received?	Yes 🗹	No 🗌		
Chain of custody agrees with s	sample labels/containers?	Yes 🗸	No 🗌		
Samples in proper container/b	ottle?	Yes 🗹	No 🗌		
Sample containers intact?		Yes 🗹	No 🗌		
Sufficient sample volume for in	ndicated test?	Yes 🗹	No 🗌		
All samples received within ho	lding time?	Yes 🗸	No 🗔		
Container or Temp Blank temp	perature in compliance?	Yes 🗸	No 🗆	Temperature	5.6 °C
Water - VOA vials have zero h	eadspace? No VOA vials sub	mitted	Yes	No 🗀	
Water - Samples pH checked?		Yes	No 🗔	Checked by:	
Water - Samples properly pres	served?	Yes -	No 🖺	pH Adjusted?	
Any No response must be det	ailed in the comments section below.				
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Comments:		* *** ***			
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Client / Person contacted:	Date contacted:		Cont	acted by:	
Response:				- manage and an	

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766 Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-

March 22, 2011

Tetra Tech EM Inc. 1 South Wacker Drive 37th Floor

Chicago, IL 60606

Telephone: (312) 946-6474 Fax: (312) 938-0118

RE: 103DG902L053-05, OMC, Waukegan

Dear Tom Hahne:

STAT Analysis received 5 samples for the referenced project on 3/15/2011 1:25:00 PM. The analytical results are presented in the following report.

All analyses were performed in accordance with the requirements of 35 IAC Part 186 / NELAC standards. Analyses were performed in accordance with methods as referenced on the analytical report. Those analytical results expressed on a dry weight basis are also noted on the analytical report.

STAT Project No: 11030347

All analyses were performed within established holding time criteria, and all Quality Control criteria met EPA or laboratory specifications except when noted in the Case Narrative or Analytical Report. If required, an estimate of uncertainty for the analyses can be provided. A listing of accredited methods/parameters can also be provided.

Thank you for the opportunity to serve you and I look forward to working with you in the future. If you have any questions regarding the enclosed materials, please contact me at (312) 733-0551.

Sincerely, Natia Sia

Catia Giannini

Project Manager

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Date: March 22, 2011

Client: Tetra Tech EM Inc.

Project: 103DG902L053-05, OMC, Waukegan Work Order Sample Summary

Lab Order: 11030347

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
11030347-001A	AS-S1-03-10-11		3/10/2011	3/15/2011
11030347-002A	AS-S1D-03-10-11		3/10/2011	3/15/2011
11030347-003A	AS-E1-03-10-11		3/10/2011	3/15/2011
11030347-004A	AS-N1-03-10-11		3/10/2011	3/15/2011
11030347-005A	AS-W1-03-10-11		3/10/2011	3/15/2011

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Accreditation Numbers: IEPA ELAP 100445; ORELAP 1L300001; AIHA 101160; NVLAP LabCode 101202-

Date Reported: March 22, 2011 **Date Printed:** March 22, 2011

Client: Tetra Tech EM Inc.

Project: 103DG902L053-05, OMC, Waukegan **Lab Order:** 11030347

Lab ID: 11030347-001 **Collection Date:** 3/10/2011

Client Sample ID AS-S1-03-10-11 Matrix: Filter

Analyses Result RL Qualifier Units DF Date Analyzed

Particulate Matter in Air

Particulate Matter in Air

Particulate Matter (as PM10)

40 CFR PART 50 APP. J

Prep Date: 3/15/2011

Analyst: RW

3/21/2011

Lab ID: 11030347-002 **Collection Date:** 3/10/2011

Client Sample ID AS-S1D-03-10-11 Matrix: Filter

Analyses Result RL Qualifier Units DF Date Analyzed

Particulate Matter in Air
Particulate Matter (as PM10)

40 CFR PART 50 APP. J
Prep Date: 3/15/2011
Analyst: RW
16900
100
pg/filter
1
3/21/2011

Lab ID: 11030347-003 **Collection Date:** 3/10/2011

Client Sample ID AS-E1-03-10-11 Matrix: Filter

Analyses Result RL Qualifier Units DF Date Analyzed

Particulate Matter in Air

Particulate Matter (as PM10)

40 CFR PART 50 APP. J

Prep Date: 3/15/2011 Analyst: RW

particulate Matter (as PM10)

16400

100

pug/filter

1 3/21/2011

Lab ID: 11030347-004 **Collection Date:** 3/10/2011

Client Sample ID AS-N1-03-10-11 Matrix: Filter

Analyses Result RL Qualifier Units DF Date Analyzed

Particulate Matter in Air
Particulate Matter (as PM10)

40 CFR PART 50 APP. J
Prep Date: 3/15/2011
Analyst: RW
15500
100

µg/filter
1
3/21/2011

Lab ID: 11030347-005 **Collection Date:** 3/10/2011

Client Sample ID AS-W1-03-10-11 Matrix: Filter

Analyses Result RL Qualifier Units DF Date Analyzed

Particulate Matter in Air 40 CFR PART 50 APP. J Prep Date: 3/15/2011 Analyst: RW

Particulate Matter (as PM10) 18000 100 µg/filter 1 3/21/2011

ND - Not Detected at the Reporting Limit

Qualifiers: J - Analyte detected below quantitation limits S - Spike Recovery outside accepted recovery limits

B - Analyte detected in the associated Method Blank

R - RPD outside accepted recovery limits

RL - Reporting / Quantitation Limit for the analysis

HT - Sample received past holding time E - Value above quantitation range

* - Non-accredited parameter H - Holding time exceeded

Page 3 of 5

Analysis Corporation
2242 W. Harrison, Suite 200, Chicago, Illinois 60612 Phone: (312) 733-0551 Fax: (312) 733-2386 e-mail address: STATinfo@STATAnalysis.com AIHA, NVLAP and NELAP accredited

Nº: 834320 Page: CHAIN OF CUSTODY RECORD Tetra Tech Company: P.O. No.: Project Number: 103 D 6 9021.05 3 -05 Client Tracking No.: Project Name: Quote No.: Wanters Project Location: Carol NISSE Sampler(s): Report To: Tom Hehn Phone: Turn Around: Fax: NAUMM OC Level: 1 4 e-mail: Results Needed: No. of Time Comp. Grab am/pm Client Sample Number/Description: Date Taken Taken Containers Remarks Lab No.: AS-51-03-10-11 Eilter 03-1011 ঠ **®(9)** 002 A5-51D-03-10-11 45-E1-03-10-11 MD3 15-Nj-03-10-11 45-W1-03-10-11 Relinquished by: (Signature) Comments: Laboratory Work Order No.; Seport as uglfolter Received by: (Signature) 11030847 Relinquished by: (Signature) Date/Time: 315/11 132 Received by: (Signature) 🕏 Received on Ice: Yes No Relinquished by: (Signature) Date/Time: Preservation Code: A = None B = HNO, C = NaOH Temperature: 3 $D = H_2SO_4$ E = HC F = 5035/EnCore G = OtherReceived by: (Signature) Date/Time:

Sample Receipt Checklist

Client Name TETRA CHICAGO		Date and Tim	e Received:	3/15/2011 1:25:00 PM
Work Order Number 11030347		Received by:	KAL	
Checklist completed by: Katul Leven 3	3/15/11	Reviewed by:	Initials	3/14/11 Date
Matrix: Carrier name:	STAT Analysis			
Shipping container/cooler in good condition?	Yes 🗹	No 🗔	Not Present	
Custody seals intact on shippping container/cooler?	Yes	No 🗌	Not Present	
Custody seals intact on sample bottles?	Yes 🗌	No 🗌	Not Present	2
Chain of custody present?	Yes 🔽	No 🗆		
Chain of custody signed when relinquished and received?	Yes 🔽	No 🗌		
Chain of custody agrees with sample labels/containers?	Yes 🔽	No 🗌		
Samples in proper container/bottle?	Yes 🗹	No 🗌		
Sample containers intact?	Yes 🗹	No 🗌		
Sufficient sample volume for indicated test?	Yes 🗹	No 🗆		
All samples received within holding time?	Yes 🗹	No 🗔		
Container or Temp Blank temperature in compliance?	Yes 🗹	No 🗀	Temperat	ture Ambient °C
Water - VOA vials have zero headspace? No VOA vials subm	nitted	Yes	No 🗐	
Water - Samples pH checked?	Yes 🗵	No 🖾	Checked by:	
Water - Samples properly preserved?	Yes 🖾	No 🗐	pH Adjusted?	
Any No response must be detailed in the comments section below.	***	- 		
Comments:				
Client / Person Date contacted:		Conta	cted by:	
Response:		=		

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766
Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com
Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-

March 16, 2011

Tetra Tech EM Inc. 1 South Wacker Drive 37th Floor

Chicago, IL 60606

Telephone: (312) 946-6474 Fax: (312) 938-0118

RE: 103DG9021-053.05, OMC, Waukegan

STAT Project No: 11030361

Dear Tom Hahne:

STAT Analysis received 1 sample for the referenced project on 3/16/2011 10:00:00 AM. The analytical results are presented in the following report.

All analyses were performed in accordance with the requirements of 35 IAC Part 186 / NELAC standards. Analyses were performed in accordance with methods as referenced on the analytical report. Those analytical results expressed on a dry weight basis are also noted on the analytical report.

All analyses were performed within established holding time criteria, and all Quality Control criteria met EPA or laboratory specifications except when noted in the Case Narrative or Analytical Report. If required, an estimate of uncertainty for the analyses can be provided. A listing of accredited methods/parameters can also be provided.

Thank you for the opportunity to serve you and I look forward to working with you in the future. If you have any questions regarding the enclosed materials, please contact me at (312) 733-0551.

Sincerely,

Katelin Lewis

Project Mananger

Katili Suis

The information contained in this report and any attachments is confidential information intended only for the use of the individual or entities named above. The results of this report relate only to the samples tested. If you have received this report in error, please notify us immediately by phone. This report shall not be reproduced, except in its entirety, unless written approval has been obtained from the laboratory. This analytical report shall become property of the Customer upon payment in full. Otherwise, STAT will be under no obligation to support, defend or discuss the analytical report.

Date: March 16, 2011

Client: Tetra Tech EM Inc.

Project: 103DG9021-053.05, OMC, Waukegan Work Order Sample Summary

Lab Order: 11030361

Lab Sample ID Client Sample ID Tag Number Collection Date Received

11030361-001A Trench-Effluent-PM 3/15/2011 2:30:00 PM 3/16/2011



2242 West Harrison St., Suite 200, Chicago, IL 60612-3766 Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Report Date: March 16, 2011 Print Date: March 16, 2011

Client: Tetra Tech EM Inc. Client Sample ID: Trench-Effluent-PM

Lab Order: 11030361 Tag Number:

Project: 103DG9021-053.05, OMC, Waukegan **Collection Date**: 3/15/2011 2:30:00 PM

Lab ID: 11030361-001A **Matrix:** Water

Analyses	Result	RL Qua	lifier Units	DF	Date Analyzed
PCBs	SW808	32 (SW3510C)	Prep	Date: 3/16/201 1	1 Analyst: GVC
Aroclor 1016	ND	0.0005	mg/L	1	3/16/2011
Aroclor 1221	ND	0.0005	mg/L	1	3/16/2011
Aroclor 1232	ND	0.0005	mg/L	1	3/16/2011
Aroclor 1242	ND	0.0005	mg/L	1	3/16/2011
Aroclor 1248	ND	0.0005	mg/L	1	3/16/2011
Aroclor 1254	ND	0.0005	mg/L	1	3/16/2011
Aroclor 1260	ND	0.0005	mg/L	1	3/16/2011

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

HT - Sample received past holding time

* - Non-accredited parameter

Qualifiers:

RL - $Reporting\ /\ Quantitation\ Limit\ for\ the\ analysis$

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

Page 4 of

Analysis Corporation
2242 W. Harrison, Suite 200, Chicago, Illinois 60612 Phone: (312) 733-0551 Fax: (312) 733-2386 e-mail address: STATinfo(a)STATAnalysis.com AIHA, NVLAP and NELAP accredited

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Company: Tetra Te	eh			,				P.O). No.	:		T											7
Project Number: 103 DG	90211	<u> 25-3</u>	Chent	Trac	king	No.:									//	7	7	Τ,	77	77	$\overline{}$	77	$\overline{}$
Project Name: OMC		ж						Quc	ote No	0.:				//	//	//		//	//	///	//		
Project Location: Wankeyo				 										//	//	//	//	//	//	///	//		
Sampler(s): CWAL WISS	:e2											_/	//	//	//	//	//	//	//	///	//		
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Client Sample Number/Description:	Date Taken	Time Taken	Matrix	Comp.	Grab	Preserv.	No. of Containers		//	//	//	//	//	//		//	//	//	//	03,16	11	l am/	
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Received by: (Signature)			Date/	Time:				D=	≈ H ₂ SC). E:	= HCi	F=	5035/E	nCore	G = 1	Other			1 61	uberature:		/_ °C	

Sample Receipt Checklist

Client Name TETRA CHICAGO		Date and Tim	ie Received:	3/16/2011 10:00:00 AM
Work Order Number 11030361		Received by:	CDF	
Checklist completed by: Signature Date	3/16/11	Reviewed by:	Initiels	3 110 11
Matrix: Carrier name:	<u>FedEx</u>			
Shipping container/cooler in good condition?	Yes 🗹	No 🗆	Not Present	
Custody seals intact on shippping container/cooler?	Yes 🗌	No 🗌	Not Present	Z
Custody seals intact on sample bottles?	Yes	No 🗆	Not Present	2
Chain of custody present?	Yes 🗹	No 🗌		
Chain of custody signed when relinquished and received?	Yes 🗹	No 🗆		
Chain of custody agrees with sample labels/containers?	Yes 🗹	No 🗌		
Samples in proper container/bottle?	Yes 🗸	No 🗌		
Sample containers intact?	Yes 🗹	No 🗌		
Sufficient sample volume for indicated test?	Yes 🗹	No 🗌		
All samples received within holding time?	Yes 🗸	No 🗌		
Container or Temp Blank temperature in compliance?	Yes 🗹	No 🗌	Tempera	ture 1.6 °C
Water - VOA vials have zero headspace? No VOA vials subr	mitted	Yes 💹	No 🗐	
Water - Samples pH checked?	Yes 🖾	No 🗐	Checked by:	
Water - Samples properly preserved?	Yes 💹	No 🕾	pH Adjusted?	
Any No response must be detailed in the comments section below.		- Alaka Alaka Arian asar	NAME AND ADDRESS OF THE PARTY O	AND ADDRESS SERVICE STREET STREET STREET
Comments:				
Client / Person Date contacted:		Conta	acted by:	
Response:				

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766 Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-

March 22, 2011

Tetra Tech EM Inc. 1 South Wacker Drive 37th Floor

Chicago, IL 60606

Telephone: (312) 946-6474 Fax:

(312) 938-0118

RE: 103DG9021-053-05, OMC, Waukegan

STAT Project No: 11030438

Dear Tom Hahne:

STAT Analysis received 5 samples for the referenced project on 3/18/2011 9:45:00 AM. The analytical results are presented in the following report.

All analyses were performed in accordance with the requirements of 35 IAC Part 186 / NELAC standards. Analyses were performed in accordance with methods as referenced on the analytical report. Those analytical results expressed on a dry weight basis are also noted on the analytical report.

All analyses were performed within established holding time criteria, and all Quality Control criteria met EPA or laboratory specifications except when noted in the Case Narrative or Analytical Report. If required, an estimate of uncertainty for the analyses can be provided. A listing of accredited methods/parameters can also be provided.

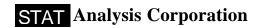
Thank you for the opportunity to serve you and I look forward to working with you in the future. If you have any questions regarding the enclosed materials, please contact me at (312) 733-0551.

Sincerely. Catia Sea

Catia Giannini

Project Manager

The information contained in this report and any attachments is confidential information intended only for the use of the individual or entities named above. The results of this report relate only to the samples tested. If you have received this report in error, please notify us immediately by phone. This report shall not be reproduced, except in its entirety, unless written approval has been obtained from the laboratory. This analytical report shall become property of the Customer upon payment in full. Otherwise, STAT will be under no obligation to support, defend or discuss the analytical report.



Date: March 22, 2011

Client: Tetra Tech EM Inc.

Project: 103DG9021-053-05, OMC, Waukegan Work Order Sample Summary

Lab Order: 11030438

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
11030438-001A	AS-S1-03-16-11		3/16/2011	3/18/2011
11030438-002A	AS-S1D-03-16-11		3/16/2011	3/18/2011
11030438-003A	AS-E1-03-16-11		3/16/2011	3/18/2011
11030438-004A	AS-N1-03-16-11		3/16/2011	3/18/2011
11030438-005A	AS-W1-03-16-11		3/16/2011	3/18/2011

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766 Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP 1L300001; AIHA 101160; NVLAP LabCode 101202-

Date Reported: March 22, 2011 **Date Printed:** March 22, 2011

Client: Tetra Tech EM Inc.

Project: 103DG9021-053-05, OMC, Waukegan **Lab Order:** 11030438

Lab ID: 11030438-001 **Collection Date:** 3/16/2011

Client Sample ID AS-S1-03-16-11 Matrix: Air

Analyses Result RL Qualifier Units DF Date Analyzed

Particulate Matter in Air

Particulate Matter in Air

Particulate Matter (as PM10)

40 CFR PART 50 APP. J

Prep Date: 3/18/2011

Analyst: RW

3/21/2011

Lab ID: 11030438-002 **Collection Date:** 3/16/2011

Client Sample ID AS-S1D-03-16-11 Matrix: Air

Analyses Result RL Qualifier Units DF Date Analyzed

Lab ID: 11030438-003 **Collection Date:** 3/16/2011

Client Sample ID AS-E1-03-16-11 Matrix: Air

Analyses Result RL Qualifier Units DF Date Analyzed

Particulate Matter in Air

Particulate Matter (as PM10)

40 CFR PART 50 APP. J

Prep Date: 3/18/2011

Analyst: RW

particulate Matter (as PM10)

29400

100

pg/filter

1

3/21/2011

Lab ID: 11030438-004 **Collection Date:** 3/16/2011

Client Sample ID AS-N1-03-16-11 Matrix: Air

Analyses Result RL Qualifier Units DF Date Analyzed

Particulate Matter in Air

Particulate Matter (as PM10)

40 CFR PART 50 APP. J

Prep Date: 3/18/2011 Analyst: RW

17500 100 µg/filter 1 3/21/2011

Lab ID: 11030438-005 **Collection Date:** 3/16/2011

Client Sample ID AS-W1-03-16-11 Matrix: Air

Analyses Result RL Qualifier Units DF Date Analyzed

Particulate Matter in Air 40 CFR PART 50 APP. J Prep Date: 3/18/2011 Analyst: RW

Particulate Matter (as PM10) 59400 100 µg/filter 1 3/21/2011

ND - Not Detected at the Reporting Limit

Qualifiers: J - Analyte detected below quantitation limits S - Spike Recovery outside accepted recovery limits

- Analyte detected below quantitation limits 5 - Spike Recovery outside accepted recovery limits

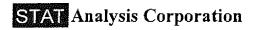
RL - Reporting / Quantitation Limit for the analysis

B - Analyte detected in the associated Method Blank
HT - Sample received past holding time
E - Value above quantitation range

* - Non-accredited parameter H - Holding time exceeded

STAT Analysis Corporation
2242 W. Harrison, Suite 200, Chicago, Illinois 60612 Phone: (312) 733-0551 Fax: (312) 733-2386 e-mail address: STATinfo@STATAnalysis.com AIHA, NYLAP and NELAP accredited

Nº: 834322 CHAIN OF CUSTODY RECORD Page: Tetratech P.O. No.: Company: 03 D G 9021-053-05 Client Tracking No.: Project Number: Project Name: Ouote No.: Project Location: Sampler(s): Report To: Phone: Turn Around: Fax: OC Level: 1 e-mail: Results Needed: Comp. No. of Time Grab am/pm Client Sample Number/Description: Date Taken Taken Containers Remarks Lab No.: -03-16-11 13:16-11 COL **@02** E1-03-16-11 003 004 005 Date/Time: 03-17-11/600 Comments: Relinquished by: (Signature Laboratory Work Order No.: Reporter ug/Fitter -Date/Time: 3/18/1 9115 Received by: (Signature) Relinquished by: (Signature) Date/Time: Received by: (Signature) Date/Time: Received on Ice: Yes Relinquished by: (Signature) Preservation Code: A = None B = HNO3 C = NaOH Date/Time: Temperature: $D = H_2SO_4$ E = HCI F = 5035/EnCore G = OtherReceived by: (Signature) Date/Time:



Sample Receipt Checklist

Client Name TETRA CHICAGO		Date and 11m	ne Received:	3/18/2011 9:45:00 AM
Work Order Number 11030438		Received by:	CDF	
Checklist completed by:	3/18/11	Reviewed by:	Initials	3\21\11
Matrix: Carrier name:	FedEx			
Shipping container/cooler in good condition?	Yes 🗸	No 🗌	Not Present	
Custody seals intact on shippping container/cooler?	Yes 🗌	No 🗌	Not Present	✓
Custody seals intact on sample bottles?	Yes 🗌	No 🗌	Not Present	✓
Chain of custody present?	Yes 🗸	No 🗌		
Chain of custody signed when relinquished and received?	Yes 🗸	No 🗌		
Chain of custody agrees with sample labels/containers?	Yes 🗸	No 🗆		
Samples in proper container/bottle?	Yes 🗹	No 🗌		
Sample containers intact?	Yes 🗹	No 🗆		
Sufficient sample volume for indicated test?	Yes 🗸	No 🗌		
All samples received within holding time?	Yes 🗸	No 🗌		
Container or Temp Blank temperature in compliance?	Yes 🗹	No 🗌	Tempera	ature Ambient °C
Water - VOA vials have zero headspace? No VOA vials subr	mitted	Yes 💹	No 🗏	
Water - Samples pH checked?	Yes 🏽	No 🌃	Checked by:	***
Water - Samples properly preserved?	Yes 🖾	No 🐷	pH Adjusted?	
Any No response must be defailed in the comments section below.		······		
Comments;				
			·	
Client / Person contacted: Date contacted:		Conta	cted by:	
Response:		·	· · · ·	

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-

April 11, 2011

Tetra Tech EM Inc.
1 South Wacker Drive
37th Floor

Chicago, IL 60606

Telephone: (312) 946-6474 Fax: (312) 938-0118

RE: 103DG9021.053.05, OMC, Waukegan

STAT Project No: 11040064

Dear Tom Hahne:

STAT Analysis received 5 samples for the referenced project on 4/4/2011 9:30:00 AM. The analytical results are presented in the following report.

All analyses were performed in accordance with the requirements of 35 IAC Part 186 / NELAC standards. Analyses were performed in accordance with methods as referenced on the analytical report. Those analytical results expressed on a dry weight basis are also noted on the analytical report.

All analyses were performed within established holding time criteria, and all Quality Control criteria met EPA or laboratory specifications except when noted in the Case Narrative or Analytical Report. If required, an estimate of uncertainty for the analyses can be provided. A listing of accredited methods/parameters can also be provided.

Thank you for the opportunity to serve you and I look forward to working with you in the future. If you have any questions regarding the enclosed materials, please contact me at (312) 733-0551.

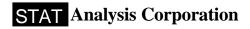
Sincerely,

Katelin Lewis

Project Mananger

Katele Lewis

The information contained in this report and any attachments is confidential information intended only for the use of the individual or entities named above. The results of this report relate only to the samples tested. If you have received this report in error, please notify us immediately by phone. This report shall not be reproduced, except in its entirety, unless written approval has been obtained from the laboratory. This analytical report shall become property of the Customer upon payment in full. Otherwise, STAT will be under no obligation to support, defend or discuss the analytical report.



Date: April 11, 2011

Client: Tetra Tech EM Inc.

Project: 103DG9021.053.05, OMC, Waukegan Work Order Sample Summary

Lab Order: 11040064

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
11040064-001A	AS-S1 03-30-11		3/30/2011	4/4/2011
11040064-002A	AS-S1D 03-30-11		3/30/2011	4/4/2011
11040064-003A	AS-E1 03-30-11		3/30/2011	4/4/2011
11040064-004A	AS-N1 03-30-11		3/30/2011	4/4/2011
11040064-005A	AS-W1 03-30-11		3/30/2011	4/4/2011

Date: April 11, 2011

CLIENT: Tetra Tech EM Inc.

Project: 103DG9021.053.05, OMC, Waukegan CASE NARRATIVE

Lab Order: 11040064

The following filter was received damaged and/or torn: AS-S1D 03-30-11 (11040064-002)

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Date Reported: April 11, 2011 **Date Printed:** April 11, 2011

Matrix: Air

RL - Reporting / Quantitation Limit for the analysis

Client:	Tetra Tech EM Inc.

Project: 103DG9021.053.05, OMC, Waukegan **Lab Order:** 11040064

Lab ID: 11040064-001 **Collection Date** 3/30/2011

Client Sample ID: AS-S1 03-30-11 Matrix: Air

Analyses Result RL Qualifier Units DF Date Analyzed

Particulate Matter in Air
Particulate Matter (as PM10)

40 CFR PART 50 APP. J
Prep Date: 4/4/2011
Analyst: RW
4/6/2011

Lab ID: 11040064-002 **Collection Date** 3/30/2011

Client Sample ID:AS-S1D 03-30-11 Matrix: Air

Analyses Result RL Qualifier Units DF Date Analyzed

Particulate Matter in Air40 CFR PART 50 APP. JPrep Date: 4/4/2011Analyst: RWParticulate Matter (as PM10)25100100μg/filter14/6/2011

Lab ID: 11040064-003 **Collection Date** 3/30/2011

Client Sample ID: AS-E1 03-30-11 Matrix: Air

Analyses Result RL Qualifier Units DF Date Analyzed

Particulate Matter in Air40 CFR PART 50 APP. JPrep Date: 4/4/2011Analyst: RWParticulate Matter (as PM10)16100100μg/filter14/6/2011

Lab ID: 11040064-004 **Collection Date** 3/30/2011

Client Sample ID:AS-N1 03-30-11 Matrix: Air

Analyses Result RL Qualifier Units DF Date Analyzed

Particulate Matter in Air
Particulate Matter (as PM10)

40 CFR PART 50 APP. J
Prep Date: 4/4/2011
Analyst: RW
10900
100
pg/filter 1
4/6/2011

Lab ID: 11040064-005 **Collection Date** 3/30/2011

Analyses Result RL Qualifier Units DF Date Analyzed

Particulate Matter in Air 40 CFR PART 50 APP. J Prep Date: 4/4/2011 Analyst: RW

Particulate Matter (as PM10) 200000 100 μg/filter 1 4/6/2011

ND - Not Detected at the Reporting Limit

Client Sample ID:AS-W1 03-30-11

Qualifiers: J - Analyte detected below quantitation limits S - Spike Recovery outside accepted recovery limits

Things detected below quantum of many

 $B - Analyte \ detected \ in \ the \ associated \ Method \ Blank \\ R - RPD \ outside \ accepted \ recovery \ limits$

HT - Sample received past holding time E - Value above quantitation range

* - Non-accredited parameter H - Holding time exceeded

STAT Analysis Corporation
2242 W. Harrison, Suite 200, Chicago, Illinois 60612 Phone: (312) 733-0551 Fax: (312) 733-2386

e-mail address: STATinfo@STATAnalysis.com AIHA, NYLAP and NELAP accredited Nº: 834325 CHAIN OF CUSTODY RECORD Page: of Company: Tetra Tech P.O. No.: 103769021-053.05 Project Number: Client Tracking No.: ONC Project Name: Quote No.: Project Location: Waukegu Sampler(s): Carol WJS Report To: Tom Hehr Phone: Turn Around: Normal Fax: QC Level: 1 e-mail: Results Needed: Matrix Time Comp. Grab No. of am/pm Client Sample Number/Description: Date Taken Taken Containers Remarks Lab No.: 14011 03-30-11 001 03-30-11 OOZ 02-30-11 003 03-30-11 004 03-30-11 005 Date/Time 04/1/11/130 Relinquished by: (Signature) Comments: Laboratory Work Order No.: Date/Time 4/4/11 930 Received by: (Signature) Reportas ug/Filter Relinquished by: (Signature). Date/Time: Received by: (Signature) Date/Time: Received on Ice: Yes Relinquished by (Signature) Preservation Code: A = None B = HNO₃ C = NaOH Date/Time: Temperature: 4m

Date/Time:

 $D = H_2SO_4$ E = HC1 F = 5035/EnCore G = Other

Received by: (Signature)

Sample Receipt Checklist

Client Name TETRA CHICAGO		Date and Tin	ne Received:	4/4/2011 9:30:00 AM
Work Order Number 11040064		Received by:	CDF	. 1
Checklist completed by:	4/4/11	Reviewed by	nitials CG	4511 Date
Matrix: Carrier name:	FedEx			y
Shipping container/cooler in good condition?	Yes 🗸	No 🗌	Not Present	
Custody seals intact on shippping container/cooler?	Yes 🗌	No 🗆	Not Present	
Custody seals intact on sample bottles?	Yes 🗌	No 🗆	Not Present 🗹	
Chain of custody present?	Yes 🗹	No 🗌		
Chain of custody signed when relinquished and received?	Yes 🗹	No 🗌		
Chain of custody agrees with sample labels/containers?	Yes 🗸	No 🗌		
Samples in proper container/bottle?	Yes 🗹	No 🗆		
Sample containers intact?	Yes 🗹	No 🗌		
Sufficient sample volume for indicated test?	Yes 🗸	No 🗌		
All samples received within holding time?	Yes 🗹	No 🗌		
Container or Temp Blank temperature in compliance?	Yes 🗸	No 🗌	Temperature	Ambient °C
Water - VOA vials have zero headspace? No VOA vials subm	nitted	Yes 🏻	No 💹	
Water - Samples pH checked?	Yes 🏻	No 🏻	Checked by:	
Water - Samples properly preserved?	Yes 💹	No 🕮	pH Adjusted?	
Any No response must be detailed in the comments section below.				
Comments:				
		10000-11000-1100-1100		
Client / Person contacted: Date contacted:		Conta	cted by:	
Response:	***************************************			-

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766 Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP Lab Code 101202-

April 22, 2011

Tetra Tech EM Inc. 1 South Wacker Drive 37th Floor

Chicago, IL 60606

Telephone: (312) 856-8700 Fax:

(312) 938-0118

RE: 103DG9021067.08, OMC, Waukegan

STAT Project No: 11040617

Dear Carol Nissen:

STAT Analysis received 5 samples for the referenced project on 4/18/2011 9:30:00 AM. The analytical results are presented in the following report.

All analyses were performed in accordance with the requirements of 35 IAC Part 186 / NELAC standards. Analyses were performed in accordance with methods as referenced on the analytical report. Those analytical results expressed on a dry weight basis are also noted on the analytical report.

All analyses were performed within established holding time criteria, and all Quality Control criteria met EPA or laboratory specifications except when noted in the Case Narrative or Analytical Report. If required, an estimate of uncertainty for the analyses can be provided. A listing of accredited methods/parameters can also be provided.

Thank you for the opportunity to serve you and I look forward to working with you in the future. If you have any questions regarding the enclosed materials, please contact me at (312) 733-0551.

latia Dia Sincerely,

Catia Giannini

Project Manager

The information contained in this report and any attachments is confidential information intended only for the use of the individual or entities named above. The results of this report relate only to the samples tested. If you have received this report in error, please notify us immediately by phone. This report shall not be reproduced, except in its entirety, unless written approval has been obtained from the laboratory. This analytical report shall become property of the Customer upon payment in full. Otherwise, STAT will be under no obligation to support, defend or discuss the analytical report.



Date: April 22, 2011

Client: Tetra Tech EM Inc.

Project: 103DG9021067.08, OMC, Waukegan Work Order Sample Summary

Lab Order: 11040617

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
11040617-001A	AS-S1 04-13-11		4/13/2011	4/18/2011
11040617-002A	AS-S1D 04-13-11		4/13/2011	4/18/2011
11040617-003A	AS-E1 04-13-11		4/13/2011	4/18/2011
11040617-004A	AS-N1 04-13-11		4/13/2011	4/18/2011
11040617-005A	AS-W1 04-13-11		4/13/2011	4/18/2011

Date: April 22, 2011

CLIENT: Tetra Tech EM Inc.

Project: 103DG9021067.08, OMC, Waukegan CASE NARRATIVE

Lab Order: 11040617

The following filters were received damaged and/or torn:

AS-N1 04-13-11 (11040617-004)

AS-W1 04-13-11 (11040617-005)

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766 Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-

Date Reported: April 22, 2011 **Date Printed:** April 22, 2011

Client: Tetra Tech EM Inc.

Project: 11040617 103DG9021067.08, OMC, Waukegan Lab Order:

Lab ID: 11040617-001 **Collection Date:** 4/13/2011

Client Sample ID AS-S1 04-13-11 Matrix: Filter

Result RL Qualifier Units DF Analyses **Date Analyzed**

Particulate Matter in Air 40 CFR PART 50 APP. J Prep Date: 4/18/2011 Analyst: RW Particulate Matter (as PM10) 30400 100 µg/filter 4/20/2011

Lab ID: 11040617-002 Collection Date: 4/13/2011

Client Sample ID AS-S1D 04-13-11 Matrix: Filter

Result **RL Qualifier Units** DF Analyses **Date Analyzed**

Particulate Matter in Air 40 CFR PART 50 APP. J Prep Date: 4/18/2011 Analyst: RW Particulate Matter (as PM10) 33400 100 4/20/2011

11040617-003 Collection Date: 4/13/2011 Lab ID:

Matrix: Filter AS-E1 04-13-11 Client Sample ID

Result **RL Qualifier Units** DF Analyses **Date Analyzed**

Particulate Matter in Air 40 CFR PART 50 APP. J Prep Date: 4/18/2011 Analyst: RW Particulate Matter (as PM10) 87600 100 µg/filter 4/20/2011

Lab ID: 11040617-004 Collection Date: 4/13/2011

Matrix: Filter Client Sample ID AS-N1 04-13-11

Result **RL Qualifier Units** DF **Date Analyzed** Analyses

40 CFR PART 50 APP. J **Particulate Matter in Air** Prep Date: 4/18/2011 Analyst: RW Particulate Matter (as PM10) 32600 100 µg/filter 4/20/2011

Collection Date: 4/13/2011 Lab ID: 11040617-005

Client Sample ID AS-W1 04-13-11 Matrix: Filter

DF Result RL Qualifier Units Analyses **Date Analyzed**

Particulate Matter in Air 40 CFR PART 50 APP. J Prep Date: 4/18/2011 Analyst: RW

Particulate Matter (as PM10) 120000 100 µg/filter 4/20/2011

ND - Not Detected at the Reporting Limit

Qualifiers: J - Analyte detected below quantitation limits S - Spike Recovery outside accepted recovery limits

RL - Reporting / Quantitation Limit for the analysis

B - Analyte detected in the associated Method Blank R - RPD outside accepted recovery limits HT - Sample received past holding time E - Value above quantitation range

* - Non-accredited parameter H - Holding time exceeded

Page S

6

Received by: (Signature)

STAT Analysis Corporation
2242 W. Harrison, Suite 200, Chicago, Illinois 60612 Phone: (312) 733-0551 Fax: (312) 733-2386 e-mail address: STATinfo@STATAnalysis.com AIHA, NVLAP and NELAP accredited

Nº: 834323 Page: CHAIN OF CUSTODY RECORD Company: Tetra Tech P.O. No.: Project Number: 103 D6902 1067-08 Client Tracking No.: Project Name: Ouote No.: Project Location: Wante ga-Sampler(s): Charles 55 = Report To: Phone: Turn Around: Normal Fax: QC Level: 1 e-mail: Results Needed: No. of Time am/pm Client Sample Number/Description: Date Taken Taken Containers Remarks Lab No.: 04-13-11 AS-51 14-13-11 001 A5-51004-13-11 002 AS- E1 04-13-11 003 AS-NI 04-13-11 004 AS-WI 04-13-11 005 Date/Time:04-15-11 160 Comments: Report as Relinquished by: (Signature) Laboratory Work Order No.: Date/Time: 4/18/11 930 Received by: (Signature) ug Ifolter Relinquished by: (Signature) Date/Time: Received by: (Signature) Date/Time: Received on Ice: Yes Relinquished by: (Signature) Date/Time: Preservation Code: $A = None - B = HNO_3 - C = NaOH$ Temperature: $D = H_2SO_4$ E = HCI F = 5035/EnCore G = Other

Date/Time:

Sample Receipt Checklist

Client Name TETRA CHICAGO		Date and Tin	ne Received:	4/18/2011 9:30:00 AM
Work Order Number 11040617	*	Received by:	CDF	
Checklist completed by: Signature Date	4/18/11	Reviewed by	:	41911 Date
Matrix: Carrier name:	<u>FedEx</u>			
Shipping container/cooler in good condition?	Yes 🗹	No 🗌	Not Present	
Custody seals intact on shippping container/cooler?	Yes 🗌	No 🗌	Not Present	V
Custody seals intact on sample bottles?	Yes	No 🗌	Not Present	v
Chain of custody present?	Yes 🗹	No 🗌		
Chain of custody signed when relinquished and received?	Yes 🗹	No 🗆		
Chain of custody agrees with sample labels/containers?	Yes 🗹	No 🗆		
Samples in proper container/bottle?	Yes 🗸	No 🗆		
Sample containers intact?	Yes 🗸	No 🗌		
Sufficient sample volume for indicated test?	Yes 🗹	No 🗌		
All samples received within holding time?	Yes 🗹	No 🗌		
Container or Temp Blank temperature in compliance?	Yes 🗹	No 🗌	Temper	rature Ambient °C
Water - VOA vials have zero headspace? No VOA vials subm	nitted	Yes 🖺	No 🖾	
Water - Samples pH checked?	Yes 🌃	No 💹	Checked by:	
Water - Samples properly preserved?	Yes 🗵	No 💹	pH Adjusted?	
Any No response must be detailed in the comments section below.				
Comments:				
Client / Person Date contacted:		Conta	cted by:	
Response:				

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com
Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-

June 14, 2011

Tetra Tech EM Inc.
1 South Wacker Drive
37th Floor

Chicago, IL 60606

Telephone: (312) 856-8700 Fax: (312) 938-0118

RE: 103DG9021-053.08, OMC, Waukegan

STAT Project No: 11060265

Dear Carol Nissen:

STAT Analysis received 8 samples for the referenced project on 6/9/2011 9:30:00 AM. The analytical results are presented in the following report.

All analyses were performed in accordance with the requirements of 35 IAC Part 186 / NELAC standards.

Analyses were performed in accordance with methods as referenced on the analytical report. Those analytical results expressed on a dry weight basis are also noted on the analytical report.

All analyses were performed within established holding time criteria, and all Quality Control criteria met EPA or laboratory specifications except when noted in the Case Narrative or Analytical Report. If required, an estimate of uncertainty for the analyses can be provided. A listing of accredited methods/parameters can also be provided.

Thank you for the opportunity to serve you and I look forward to working with you in the future. If you have any questions regarding the enclosed materials, please contact me at (312) 733-0551.

Sincerely, Jatia Aco

Catia Giannini

Project Manager

The information contained in this report and any attachments is confidential information intended only for the use of the individual or entities named above. The results of this report relate only to the samples tested. If you have received this report in error, please notify us immediately by phone. This report shall not be reproduced, except in its entirety, unless written approval has been obtained from the laboratory. This analytical report shall become property of the Customer upon payment in full. Otherwise, STAT will be under no obligation to support, defend or discuss the analytical report.



Date: June 14, 2011

Client: Tetra Tech EM Inc.

Project: 103DG9021-053.08, OMC, Waukegan Work Order Sample Summary

Lab Order: 11060265

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
11060265-001A	AS-S1-6-1-11		6/1/2011	6/9/2011
11060265-002A	AS-S1D-6-1-11		6/1/2011	6/9/2011
11060265-003A	AS-E1-6-1-11		6/1/2011	6/9/2011
11060265-004A	AS-S1-6-7-11		6/7/2011	6/9/2011
11060265-005A	AS-S1D-6-7-11		6/7/2011	6/9/2011
11060265-006A	AS-N1-6-7-11		6/7/2011	6/9/2011
11060265-007A	AS-E1-6-7-11		6/7/2011	6/9/2011
11060265-008A	AS-W1-6-7-11		6/7/2011	6/9/2011

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766 Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-

Date Reported: June 14, 2011 **Date Printed:** June 14, 2011

Client:	Tetra Tech EM Inc.					
Project:	103DG9021-053.08, OM	C, Waukegan		Lab Order:	11060265	
Lab ID:	11060265-001		Coll	ection Date:	6/1/2011	
Client Sample ID	AS-S1-6-1-11			Matrix:	Air	
Analyses		Result	RL Qualifier	Units	DF	Date Analyzed
Particulate Matter Particulate Matter (40 CFR 38300	PART 50 APP. J 100	•	ate: 6/9/2011 1	Analyst: JP 6/10/2011
Lab ID:	11060265-002		Coll	ection Date:	6/1/2011	
Client Sample ID	AS-S1D-6-1-11			Matrix:	Air	
Analyses		Result	RL Qualifier	Units	DF	Date Analyzed
Particulate Matter Particulate Matter (40 CFR 65600	PART 50 APP. J 100	•	ate: 6/9/2011 1	Analyst: JP 6/10/2011
Lab ID:	11060265-003		Coll	ection Date:	6/1/2011	
Client Sample ID	AS-E1-6-1-11			Matrix:	Air	
Analyses		Result	RL Qualifier	Units	DF	Date Analyzed
Particulate Matter Particulate Matter (40 CFR 23200	PART 50 APP. J	=	ate: 6/9/2011 1	Analyst: JP 6/10/2011
Lab ID:	11060265-004		Coll	ection Date:	6/7/2011	
Client Sample ID	AS-S1-6-7-11			Matrix:	Air	
Analyses		Result	RL Qualifier	Units	DF	Date Analyzed
Particulate Matter Particulate Matter (40 CFR 72900	PART 50 APP. J 100	=	ate: 6/9/2011 1	Analyst: JP 6/10/2011
Lab ID:	11060265-005		Coll	ection Date:	6/7/2011	

ND - Not Detected at the Reporting Limit

Qualifiers: J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

Result

90100

HT - Sample received past holding time

* - Non-accredited parameter

AS-S1D-6-7-11

Client Sample ID

Particulate Matter in Air

Particulate Matter (as PM10)

Analyses

RL - Reporting / Quantitation Limit for the analysis

S - Spike Recovery outside accepted recovery limits

5 - Spike Recovery outside accepted recovery minit

R - RPD outside accepted recovery limitsE - Value above quantitation range

Matrix: Air

DF

Prep Date: 6/9/2011

Date Analyzed

Analyst: JP

6/10/2011

H - Holding time exceeded

µg/filter

RL Qualifier Units

40 CFR PART 50 APP. J

100

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Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP 1L300001; AIHA 101160; NVLAP LabCode 101202-

Date Reported: June 14, 2011 **Date Printed:** June 14, 2011

Client: Tetra Tech EM Inc.

Project: 103DG9021-053.08, OMC, Waukegan **Lab Order:** 11060265

Lab ID: 11060265-006 **Collection Date:** 6/7/2011

Client Sample ID AS-N1-6-7-11 Matrix: Air

Analyses Result RL Qualifier Units DF Date Analyzed

Particulate Matter in Air

Particulate Matter (as PM10)

40 CFR PART 50 APP. J

Prep Date: 6/9/2011

Analyst: JP

by particulate Matter (as PM10)

52100

100

pg/filter

1

6/10/2011

Lab ID: 11060265-007 **Collection Date:** 6/7/2011

Client Sample ID AS-E1-6-7-11 Matrix: Air

Analyses Result RL Qualifier Units DF Date Analyzed

 Particulate Matter in Air
 40 CFR PART 50 APP. J
 Prep Date: 6/9/2011
 Analyst: JP

 Particulate Matter (as PM10)
 61800
 100
 μg/filter
 1
 6/10/2011

Lab ID: 11060265-008 **Collection Date:** 6/7/2011

Client Sample ID AS-W1-6-7-11 Matrix: Air

Analyses Result RL Qualifier Units DF Date Analyzed

Particulate Matter in Air 40 CFR PART 50 APP. J Prep Date: 6/9/2011 Analyst: JP

Particulate Matter (as PM10) 72500 100 μg/filter 1 6/10/2011

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

HT - Sample received past holding time

* - Non-accredited parameter

Qualifiers:

RL - Reporting / Quantitation Limit for the analysis

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

Page 5

Analysis Corporation
2242 W. Harrison, Suite 200, Chicago, Illinois 60612 Phone: (312) 733-0551 Fax: (312) 733-2386 e-mail address: STATinfo@STATAnalysis.com AIHA, NVLAP and NELAP accredited

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Project Number: 103 D (- 90)	21-053	,08	Client	Tracki	ng No.:						_]				//	7	/	//	///	7	7//
Project Name: JMC							Quo	ote N	Q.:				//	//	//	//	/	//	///	//	
Project Location: Waukegan							<u> </u>				_		//	//	//	//	/	//	///	//	
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Received by: (Signature)	-		Date	Time:			D	$= H_2S$)₁ E=	= HCl	F =	5035/E	nCore	G =	Other					Hin	bient

Sample Receipt Checklist

Client Name TETRA CHICAGO		Date and Tin	ne Received:	6/9/2011 9:30:00 AM
Work Order Number 11060265		Received by:	CDF	
Checklist completed by: Signature Bate.	6/9/11	Reviewed by	Initials	Q IO II
Matrix: Carrier name:	<u>FedEx</u>			
Shipping container/cooler in good condition?	Yes 🗸	No 🗌	Not Present	
Custody seals intact on shippping container/cooler?	Yes	No \square	Not Present 🔽	
Custody seals intact on sample bottles?	Yes 🗌	No \square	Not Present 🗸	
Chain of custody present?	Yes 🗹	No 🗌		
Chain of custody signed when relinquished and received?	Yes 🗹	No \square		
Chain of custody agrees with sample labels/containers?	Yes 🗸	No \square		
Samples in proper container/bottle?	Yes 🗸	No 🗌		
Sample containers intact?	Yes 🗹	No 🗌		
Sufficient sample volume for indicated test?	Yes 🗸	No 🗌		
All samples received within holding time?	Yes 🗹	No 🗌		
Container or Temp Blank temperature in compliance?	Yes 🗸	No 🗆	Temperature	Ambient °C
Water - VOA vials have zero headspace? No VOA vials subm	nitted 💹	Yes 🔳	No 🔯	
Water - Samples pH checked?	Yes 🔳	No 🔳	Checked by:	
Water - Samples properly preserved?	Yes 🔟	No 🖾	pH Adjusted?	
Any No response must be detailed in the comments section below.			=====	
Comments:				
Client / Person Date contacted:		Conta	cted by:	
Response:				



March 11, 2010

Dave Smaniotto
Brandenburg Industrial Services
2625 S. Loomis
Chicago, IL 60608

RE: OMC Waukegan Plant 2 Demolition

Dear Dave Smaniotto:

Microbac Laboratories, Inc. received 2 samples on 3/5/2010 3:00:00 PM for the analyses presented in the following report.

The enclosed results were obtained from and are applicable to the sample(s) as received at the laboratory. All sample results are reported on an "as received" basis unless otherwise noted.

Work Order No.: ME1003188

All data included in this report have been reviewed and meet the applicable project specific and certification specific requirements, unless otherwise noted. A qualifications page is included in this report and lists the programs under which Microbac maintains certification.

This report has been paginated in its entirety and shall not be reproduced except in full, without the written approval of Microbac Laboratories.

We appreciate the opportunity to service your analytical needs. If you have any questions, please feel free to contact us.

Sincerely,

Microbae Laboratories, Inc.

Kevin G. Falvey Project Manager

Enclosures

CC:

Eric J. Ahlgren Jo Lynn Graca



Date:

Thursday, March 11, 2010

WORK ORDER SAMPLE SUMMARY

CLIENT: Brandenburg Industrial Services

Project: OMC Waukegan Plant 2 Demolition

Lab Order: ME1003188

 Lab Sample ID
 Client Sample ID
 Tag Number
 Collection Date
 Date Received

 ME1003188-01A
 Bulbs 1
 3/2/2010 1:15:00 PM
 3/5/2010

 ME1003188-02A
 Bulbs 2
 3/2/2010 1:21:00 PM
 3/5/2010



ANALYTICAL RESULTS

Client: Brandenburg Industrial Services

Client Project: OMC Waukegan Plant 2 Demolition

Client Sample ID: Bulbs 1

Sample Description:Collection Date:03/02/10 13:15Sample Matrix:WipeDate Received:03/05/10 15:00

Date:

Work Order / ID:

Thursday, March 11, 2010

ME1003188-01

Analyses ST Result RL Qual Units DF Analyzed

PCB'S	Method: SW8082		Prep	Date/Time: 03/09/1	0 11:0	5 Analyst: JLW
Aroclor 1016	A	NE	1.0	μg/Area	1	03/09/10 15:37
Aroclor 1221	A	NE	1.0	μg/Area	1	03/09/10 15:37
Aroclor 1232	A	NE	1.0	μg/Area	1	03/09/10 15:37
Aroclor 1242	A	NE	1.0	μg/Area	1	03/09/10 15:37
Aroclor 1248	A	5.9	1.0	μg/Area	1	03/09/10 15:37
Aroclor 1254	A	3.0	1.0	μg/Area	1	03/09/10 15:37
Aroclor 1260	A	NE	1.0	μg/Area	1	03/09/10 15:37
Aroclor 1262	A	NE	1.0	μg/Area	1	03/09/10 15:37
Aroclor 1268	A	NE	1.0	μg/Area	1	03/09/10 15:37
Total PCB's	A	8.9	1.0	μg/Area	1	03/09/10 15:37
Surr: Tetrachloro-m-xylene	S	65.0	54.9-151	%REC	1	03/09/10 15:37
Surr: Decachlorobiphenyl	S	55.0	38-151	%REC	1	03/09/10 15:37



ANALYTICAL RESULTS

Client: Brandenburg Industrial Services

Client Project: OMC Waukegan Plant 2 Demolition

Client Sample ID: Bulbs 2

Sample Description:Collection Date:03/02/10 13:21Sample Matrix:WipeDate Received:03/05/10 15:00

Date:

Work Order / ID:

Thursday, March 11, 2010

ME1003188-02

Analyses ST Result RL Qual Units DF Analyzed

PCB'S	Method: SW8082		Prep	Date/Time: 03/09/1	10 11:0	5 Analyst: JLW
Aroclor 1016	A	NL	1.0	μg/Area	1	03/09/10 16:01
Aroclor 1221	A	NL	1.0	μg/Area	1	03/09/10 16:01
Aroclor 1232	A	NL	1.0	μg/Area	1	03/09/10 16:01
Aroclor 1242	A	NL	1.0	μg/Area	1	03/09/10 16:01
Aroclor 1248	A	1.6	1.0	μg/Area	1	03/09/10 16:01
Aroclor 1254	A	1.0	1.0	μg/Area	1	03/09/10 16:01
Aroclor 1260	A	NL	1.0	μg/Area	1	03/09/10 16:01
Aroclor 1262	A	NL	1.0	μg/Area	1	03/09/10 16:01
Aroclor 1268	A	NL	1.0	μg/Area	1	03/09/10 16:01
Total PCB's	A	2.6	1.0	μg/Area	1	03/09/10 16:01
Surr: Tetrachloro-m-xylene	S	65.0	54.9-151	%REC	1	03/09/10 16:01
Surr: Decachlorobiphenyl	S	70.0	38-151	%REC	1	03/09/10 16:01



FLAGS, FOOTNOTES AND ABBREVIATIONS (as needed)

NA = Not Analyzed N/A = Not Applicable

mg/L = Milligrams per Liter (ppm) ug/L = Micrograms per Liter (ppb) cfu = Colony Forming Unit mg/Kg = Milligrams per Kilogram (ppm) ug/Kg = Micrograms per Kilogram (ppb) ng/L = Nanograms per Liter (ppt)

U = Undetected

J = Analyte concentration detected between RL and MDL (Metals / Organics)

j = Analyte concentration detected betweeen 1/2 PQL and PQL (for TIC analytes only)

B = Detected in the associated Method Blank at a concentration above the routine PQL/RL

b = Detected in the associated Method Blank at a concentration above the Method Detection Limit but less than the routine PQL/RL

D = Surrogate recoveries are not calculated due to sample dilution

ND = Not Detected at the Reporting Limit (or the Method Detection Limit, if listed)

E = Value above quantitation range

H = Analyte was prepared and/or analyzed outside of the analytical method holding time

I = Matrix Interference

R = RPD outside accepted recovery limits S = Spike recovery outside recovery limits

Surr = Surrogate

DF = Dilution Factor RL = Reporting Limit ST = Sample Type MDL = Method Detection Limit

SAMPLE TYPES

A = Analyte

I = Internal Standard

S = Surrogate

T = Tentatively Identified Compound (TIC, concentration estimated)

QC SAMPLE IDENTIFICATIONS

MBLK	=	Method Blank	ICSA	=	Interference Check Standard "A"	OPR	=	Ongoing Precision and
DUP	=	Method Duplicate	ICSAB	=	Interference Check Standard "AB"			Recovery Standard
LCS	=	Laboratory Control Sample	LCSD	=	Laboratory Control Sample Duplicate			
MS	=	Matrix Spike	MSD	=	Matrix Spike Duplicate			
ICB	=	Initial Calibration Blank	CCB	=	Continuing Calibration Blank			
ICV	=	Initial Calibration Verification	CCV	=	Continuing Calibration Verification			
PDS	=	Post Digestion Spike	SD	=	Serial Dilution			

CERTIFICATIONS

Below is a list of certifications maintained by the Microbac Merrillville Laboratory. All data included in this report has been reviewed for and meets all project specific and quality control requirements of the applicable accreditation, unless otherwise noted. Complete lists of individual analytes pursuant to each certification below are available upon request.

- Illinois EPA for the analysis wastewater and solid waste in accordance with the requirements of the National Environmental Laboratory Accreditation Program [NELAP] (accreditation #100435)
- Illinois Department of Public Health for the microbiological analysis of drinking water (registry #1755266)
- Indiana DEM approved support laboratory for solid waste and wastewater analyses
- Indiana SDH for the chemical analysis of drinking water (lab #C-45-03)
- Indiana SDH for the microbiological analysis of drinking water (lab #M-45-8)
- Kentucky DEP for the chemical analysis of drinking water (lab #90147)
- Kentucky EPPC for the analysis of samples applicable to the Underground Storage Tank program (lab #75)
- New York SDH for the chemical analysis of air and emissions (lab #11909)
- North Carolina DENR for the environmental analysis for NPDES effluent, surface water, groundwater, and pretreatment regulations (certificate #597)
- Tennessee DEC for the chemical analysis of drinking water (lab #04017)
- Wisconsin DNR for the chemical analysis of wastewater and solid waste (lab #998036710)

MICROBAC LOCATIONS, SERVICE CENTERS (SC) AND SATELLITE OFFICES (Sat)

Baltimore Division - Baltimore, MD Kentucky Division - Louisville, KY Ohio Valley Division - Marietta, OH Camp Hill Division - Camp Hill, PA Kentucky Division (Sat) - Evansville, IN Pittsburgh Division - Warrendale, PA Camp Hill Division (SC) - Pittston, PA Kentucky Division (Sat) - Lexington, KY Richmond Division - Richmond, VA South Carolina Division - New Ellenton, SC Chicagoland Division - Merrillville, IN Kentucky Division (Sat) - Paducah, KY Chicagoland Division (SC) - Indianapolis, IN Knoxville Division - Maryville, TN South Jersey Division - Laurel Springs, NJ Massachusetts Division - Worchester, MA Southern Headquarters - Poquoson, VA Southern California Division - Corona, CA Southern Testing Division - Wilson, NC Erie Division - Erie, PA Microbac Corporate Office - Pittsburgh, PA Fayetteville Division - Fayetteville, NC Microbac NY - Cortland Office - Cortland, NY Southern Testing Division (Sat) - Greensboro, NC Hauser Division - Boulder, CO Microbac NY - Waverly Office - Waverly, NY Venice Division - Venice, FL



Date:

Thursday, March 11, 2010

COOLER INSPECTION

Client Name Brande	enburg Industrial Service	•		Date / Ti	me Recei	ived:	<u>3/5/2010</u> :	3:00:00 PM
Work Order Number	ME1003188			Received	d by	DP		
Checklist completed by	by DP 3/	/5/2010 4:50:18 PM		Reviewe	d by			
		Carrier name:	Mioroboo					
		Carrier flame.	<u>Microbac</u>					
After-Hour Arrival?			Yes		No 🗹			
Shipping container/co	ooler in good condition?		Yes	✓	No 🗌	Not Pro		
Custody seals intact of	on shippping container/co	ooler?	Yes		No 🖳	Not Pro	esent 👱	<u> </u>
Custody seals intact of	on sample bottles?		Yes		No 🖳	Not Pro	esent 💆	
Chain of custody pres	sent?		Yes	✓	No 🗌			
Chain of custody inclu	uded sufficient client ider	tification?		✓	No 🗌			
Chain of custody inclu	uded sufficient sample co	ollector information?	Yes	✓	No 🗌			
Chain of custody inclu	uded a sample descriptio	n?	Yes	✓	No 🗌			
Chain of custody agree	ees with sample labels?		Yes	✓	No 🗌			
Chain of custody iden	tified the appropriate ma	trix?	Yes	✓	No 🗌			
Chain of custody inclu	uded date of collection?		Yes	✓	No 🗌			
Chain of custody inclu	uded time of collection?		Yes	✓	No 🗌			
Chain of custody iden	ntified the appropriate nur	mber of containers?	Yes	✓	No 🗌			
Samples in proper co	ntainer/bottle?		Yes	✓	No 🗌			
Sample containers in	tact?		Yes	✓	No \square			
Sufficient sample volu	ume for indicated test?		Yes	✓	No \square			
All samples received	within holding time?		Yes	✓	No \square			
If samples are preser	ved, are the preservative	s identified?	Yes	✓	No \square			
Samples properly pre	served?		Yes	✓	No \square			
	If No	, adjusted by?		Date/Time			_	
Chain of custody inclu	uded the requested analy	ses?	Yes	✓	No 🗌			
Chain of custody sign	ed when relinquished an	d received?	Yes	✓	No 🗌			
Samples received on			Yes	✓	No 🗌			
	Container/Te	mp Blank temperatures	Cooler	Temp				
			1	6 %				
VOA vials for aqueou	s samples have zero hea	adspace? No VOA	vials submitted		Yes		No 🗏	
ANY "NO" EVALUAT	ION (excluding After-H	our Receipt) REQUIRE	S CLIENT NOT	IFICATION.				
General Comments:		- ,						
Sample ID	Client Sample ID	<u> </u>		Comments				
ME1003188-01A	Bulbs 1							
ME1003188-02A	Bulbs 2							

Date: 11-Mar-10

CLIENT: Brandenburg Industrial Services

Work Order: ME1003188

Project:

ANALYTICAL QC SUMMARY REPORT

OMC Waukegan Plant 2 Demolition BatchID: 80474

Sample ID: bk-5-030910	SampType: mblk		de: 8081pcb_v	vip Units: μg/Ar	ea	•		0 11:05:00 AM		D-1_100309	A
Client ID: ZZZZZ	Batch ID: 80474	resti	TestNo: SW8082 Analysis Date: 3/9/2010 12:24:00 PN) 12:24:00 PM	SeqNo: 229	91073		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	1.0									
Aroclor 1221	ND	1.0									
Aroclor 1232	ND	1.0									
Aroclor 1242	ND	1.0									
Aroclor 1248	ND	1.0									
Aroclor 1254	ND	1.0									
Aroclor 1260	ND	1.0									
Aroclor 1262	ND	1.0									
Aroclor 1268	ND	1.0									
Total PCB's	ND	1.0									
Surr: Tetrachloro-m-xylene	0.19		0.2	0	95	54.9	151	0	0		
Surr: Decachlorobiphenyl	0.2		0.2	0	100	38	151	0	0		
Sample ID: Ics-5a-030910	SampType: Ics	TestCo	de: 8081pcb_v	vip Units: μg/Ar	∋a	Prep Da	te: 3/9/201	0 11:05:00 AM	Run ID: EC	D-1_100309	Α
Client ID: ZZZZZ	Batch ID: 80474	Testi	No: SW8082			Analysis Da	te: 3/9/201	0 12:48:00 PM	SeqNo: 229	91074	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	4.838	1.0	5	0	96.8	57.7	138	0	0		
Aroclor 1260	5.04	1.0	5	0	101	57	141	0	0		
Surr: Tetrachloro-m-xylene	0.17		0.18	0	94.4	54.9	151	0	0		
Surr: Decachlorobiphenyl	0.18		0.18	0	100	38	151	0	0		
Sample ID: Ics-5b-030910	SampType: Ics	TestCo	de: 8081pcb_v	vip Units: μg/Ar	ea	Prep Da	te: 3/9/2010	0 11:05:00 AM	Run ID: EC	D-1_100309.	A
Client ID: ZZZZZ	Batch ID: 80474	Testi	No: SW8082			Analysis Da	te: 3/9/201	0 1:12:00 PM	SeqNo: 229	91075	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	4.756	1.0	5	0	95.1	57.7	138	0	0		
Aroclor 1260	4.956	1.0	5	0	99.1	57	141	0	0		
Surr: Tetrachloro-m-xylene	0.17		0.18	0	94.4	54.9	151	0	0		

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

b - Analyte detected below reporting limit in the Method Blank

H - Analyte was prepared and/or analyzed outside of the analytical method holding time

CLIENT: Brandenburg Industrial Services

Work Order: ME1003188 ANALYTICAL QC SUMMARY REPORT

80474

BatchID: Project: OMC Waukegan Plant 2 Demolition

Sample ID: lcs-5b-030910	SampType: Ics	TestCo	de: 8081pcb_	wip Units: μg/Area		Prep Da	te: 3/9/2010	11:05:00 AM	Run ID: EC	D-1_100309/	A
Client ID: ZZZZZ	Batch ID: 80474	Test	No: SW8082			Analysis Da	te: 3/9/2010	1:12:00 PM	SeqNo: 229	1075	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Decachlorobiphenyl	0.18		0.18	0	100	38	151	0	0		

Microbac

ME1003188 BRANDENBURG
OMC Waukegan Plant 2 Demolition

Page 9 of 9

Samples Submitted to:

[X] 250 West 84th Drive Merrillville, IN 46410

> Tel: 219-769-8378 Fax: 219-769-1664

[] 5713 West 85th Street Indianapolis, IN 46278

Tel: 317-872-1375 Fax: 317-872-1379

Chain of Custody Record

Number Preprinted COC

Instructions on back	ı	ns	itru	ctio	ns c	on b	ack
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lient Name	Brandenburg In	dustrial Service	s		Proje	ect	OMC Plant	2- BISCO IL	1080			Tu	rnaroı	ınd Ti	ne		ŀ		Re	port Type
ddress	2625 South Loc	omis			Loca	tion	Waukegan,	<u>IL</u>			M(Roi	utine (5 work	ing da	ys)	•	[X] F	Results	Only	[] Level !!
ity, State, Zip	Chicago, IL 606	308			PO #						[] RUS	3H* (n	otify la	b)			[][evel III		[] Level III CLP-like
ontact	D. Smaniotto/Je	o Lynn Graca			Com	pliance	Monitoring?	[] Yes []	No								[]4	evel IV		[] Level IV CLP-like
elephone #	312.326.5800				(1)Ag	ency/Pr	rogram)				(need	led by)			[]E	DD		e ji ng Hagi ji ke H
ampled by (PR	INT) ROA	Andre	W5		s	ample	r Signature	Kon		Ind	ren	み		Sampl	er Ph	one#	3/0	2-2	87	5138
end Report via		[] Telephone		ax #)	•						X] e-m	ail (ad	_							enburg & smadav@
* N	latrix Types: So	il/Solid (S), Sluc	dge, Oil, W	ipe, Dri						face Wat	er (SW), Was	te Wa	ter (W	W), O	ther (s	pecify)		
** Preserv	ative Types: (1)	HNO3, (2) H25	SO4, (3) HO	CI, (4) N	aOH,	(5) Zin	c Acetate, (6) Methanol,	(7) So			(8) So	dium T	hiosuli	ate, (9) Hex	ane, (U) Unp	reser	
	Client Sample	e ID	Matrix*	Grab WiPE	Composite	Filtered	Date Collected	Time Collected	No. of Containers	Reque	es vative	PCB								For Lab Use Only
Bulbs	1			X			3-2-10	1315		UN		х								01 A
Bulbs				×			3-2-10	1321				X					17	,		02 A
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Possible Hazar	d Identification	[] Hazaro	dous []	Von-Ha			Radioactive			ple Disp		[]	Dispo	e as a	pprop	riate	TIR	eturn	[] A	chive
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Sample temper	ature upon rece	elpt in degrees		ØC.	Reli	nquisi	ned By (sign	ature) /	Date	/Time			Rece	ived f	or Lat	By (s	ignáti	ure)		Date/Time
rev. 1/29/2010		4 (1.4)													V	, 	V.	Page		of

ORIGINAL-NOT NEGOTIABLE STRAIGHT BILL OF LADING - SHORT FORM

548112

(Name of Carrier) Shipper's No. RECEIVED, subject to the classifications and tariffs in effect on the date of issue of this Bill of Lading. From BRANDENBURG INDUSTRIAL SERVICE CO. the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which faid carrier (the word carrier on the route to self-under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination, it is mutually agreed, as to each carrier of all or any of the said property over all or any of the route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Leding set forth (2) in Official, Southern, Western and (dinois Freight Classifications in Shipper hereby certifies that he is familiar with all the terms and conditions of the solid place in the back hereof, set forth in the classification or tariff which governs the transportation of this shipment. bigned to General Iron (Mail or street address of consignee-For purposes of notification only) Destination _ Delivery Address * _ Route (*To be filled in only when shipper desires and governing tariffs provide for delivery therest.) Delivering Carrier Brandenburg (MCCOPKIC) Car or Vehicle Initials Collect On Delivery s ______ and remit to: BRANDENBURG INDUSTRIAL SERVICE CO. C. O. D. charge to be paid by **CHICAGO** Consignee **2625 S. LOOMIS** 60608 Kind of Packages, Description of Articles, Weight (Sub. Check Subject to Section 7 of conditions of appli-Special Marks, and Exceptions **Packages** to Correction) cable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall alon the following statement: The carrier shall not make delivery of this shipment without payment of freight and all other lewful charges. BRANDENBURG INDUSTRIAL SERVICE CO. (Signature of Consignor.) If charges are to be prepaid, write or stamp here, "To be Prepaid." apply in prepayment of the charges on the property described hereon. †This is to certify that the above named articles are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation, according to the applicable regulations of the Department of Transportation. Agent or Cashier Fibre Boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon and all other requirements of Consolidated Freight Classification. (The signature here acknowledges only the "Shipper's imprint in lieu of stamp; not a part of bill of lading approved by the Department of Transportation." amount prepaid.) If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is "carrier's or shipper's weight." Charges Advanced: NOTE--Where the rate is dependent on value, shippers are required to state specifically in weiting the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding BRANDENBURG INDUSTRIAL SERVICE CO. 2625 S. Loomis Chicago, IL 60608-5414 Permanent Post Office address of Shipper,

i



General Iron Industries

Ticket Number

03-575921

04/06/2011

114

175

BRANDENBURG INDUSTRIAL SERVICE

MCCORKLE 7

IL1117/548112

Gross Wt

Tare Wt

Adjustment

Net

64,000 44,960

19,040

Material

Weight

ST

19,040

Notes //LJT

Time In: 04/06/2011 12:12:59 PM

Time Out: 04/06/2011 12:32:48 PM

Valid Through: 10/05/2011



STRAIGHT BILL OF LADING - SHORT FORM 570123 ORIGINAL-NOT NEGOTIABLE

(Name of Carrier)



	(Name of Carrier)	Shipper's No.	
RECEIVED, subject to the classifications and tariffs in effect on the date of issue of this Bill of Lading.			85V 804 88***
From BRANDENBURG INDUSTRIAL SERVICE CQ.		Carrier's No.	142
A IL 1028 (16-1080) (IL1117)	*	Date 4-12	20 [[
the property described below, in apparent good order, except as noted (contestin and condition of contents of packages unknown), marke understood throughout this contract as meaning any person or corporation in possession the property under the contract) agrees to carry to it or the property under the contract as meaning any person or corporation in possession. The property under the contract as real property or contract as the property of the property of the Uniform Domestic Straight follows; the property of the Uniform Domestic Straight follows; the property of the Uniform Domestic Straight follows the property of the Uniform Domestic Straight follows the property of the Uniform Domestic Straight follows the property of the Uniform Domestic Straight follows the property of the Uniform Domestic Straight follows the property of the Uniform Domestic Straight follows the property of the Uniform Domestic Straight follows the Uniform	s usual place of delivery at sai route to destination, and as l of Lading set forth (1) in Of thioment.	id destination, if on its route, otherw, to each party at any time interest ficial, Southern, Western and Ulinois	rise to deliver to another ad in all or any of said Freight Classifications in

gned to			(M	ail or street add	ress of consignee—For purposes of notification only
Destination GENERAL	State _	2002		c	ounty
Route	(★To be	y Address *	**************************************		se for delivery thereat.) _No65216
Delivering Carrier	Car or Vehic	le Initials		2 200	1No. 65 01 0
Collect On Delivery san	d remit to: BRANDENBURG I	NDUSTRIAL SI	ERVICE	CO.	C. O. D. charge Shipper
2625 S. LOOMIS	CHICAGO			808	to be paid by Consignee
No. Kind of Packages, Descr Packages Special Marks, and		*Weight (Sub. to Correction)	Class or Rate	Check	Subject to Section 7 of conditions of applicable bill of lading, if this shipment is to be
1 LOAD SHEET	IPON				delivered to the consignee without recourse on the consignor, the consignor shall sign the fol- lowing statement:
	1		76		The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
	, \\X	7		<u> </u>	ond invited players.
5					BRANDENBURG INDUSTRIAL SERVICE CO. (Signature of Consignor.)
	1-11-	0			If charges are to be prepaid, write or stamp here, "To be Prepaid."
					Received \$ to
- HOWET IL	03-571095	-			apply in prepayment of the charges on the property described hereon.
ibre Boxes used for this shipment conform to the specifications set forth in maker's certificate thereon and all other requirements of Consolidated Classifications.	n the box Freight This is to certify that the above name and labeled, and are in proper condition the Department of Transportation.	d articles are properly classified, on for transportation, according t	described, pack the applicable	aged, marked regulations of	Agent or Cashier
"Shipper's imprint in lieu of stamp; not a part of bill of lading appr					Per (The signature here acknowledges only the amount prepaid.)
If the shipment moves between two ports by a carrier by water, the NOTEWhere the rate is dependent on value, shippers are required and the shippers are required by the shipper to be not exceeding	uired to state specifically in writing the ag	ate whether it is "carrier's reed or declared value of	or shipper's v the propert	veight." Y	Charges Advanced:

Chicago, IL 60608-5414 Permanent Post Office address of Shipper,



General Iron Industries

136 **Ticket Number** 03-576535 04/12/2011 175 **BRANDENBURG INDUSTRIAL SERVICE GREEN 50042** IL1080-570123 Adjustment **Tare Wt** Net **Gross Wt** 59,020 10,880 48,140 Material Weight 10,880 S

Notes				
-				

Time in: 04/12/2011 02:15:26 PM Time Out: 04/12/2011 02:40:58 PM

Valid Through: 10/11/2011



STRAIGHT BILL OF LADING - SHORT FORM

Shipper's No.

LALL	47.16		13 <i>1</i> 10
A1	16	1.12	
11	3.0	· VI	T_{i}^{T}

RECEIVED, subject to the classifications and tariffs in effect on the date of issue of this Bill of Lading.

From BRANDENBURG INDUSTRIAL SERVICE CO.

the property described below, in apparent and order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning enperson or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on litt possession of the property over all or any portion of said contract as the contract as to each party at any time interested mail or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Comestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classifications in effect on the date based, if this is a mid or railwater signment, or (2) in the applicable motor carrier shallow or carrier shallow.

Shippen hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back hereof, set forth in the classification or tariff which governs the transportation of this shippent, and the said terms and conditions are hereby served to by the shipper and accepted for himself and the said terms and conditions are hereby served to by the shipper and accepted for himself and the said terms and conditions are hereby served to by the shipper and accepted for himself and the said terms and conditions are hereby served to by the shipper and accepted por himself and the said terms and conditions are hereby served to by the shipper and accepted por himself and the said terms and conditions are hereby served to by the shipper and accepted por himself and the said terms and conditions are hereby served to by the shipper and accepted por himself and the said terms.

(Mail or street address of consignee-For purposes of notification only)

Destination

Delivery Address ★ ... (* To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

(Name of Carrier)

Collect On Delivery S

Car or Vehicle Initials

Shipper C. O. D. charge

and remit to: BRANDENBURG INDUSTRIAL SERVICE CO.

to be paid by Consignee

2625 S. LOOMIS

Delivering Carrier __

Route

CHICAGO

60608

Subject to Section 7 of conditions of soofi-

Kind of Packages, Description of Articles, Packages Special Marks, and Exceptions

to Correction)

cable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement: The carrier shall not make delivery of this

shipment without payment of freight and all other lewful charges.

Received \$ ___

property described hereon.

BRANDENBURG INDUSTRIAL SERVICE CO. (Signature of Consignor.)

If charges are to be prepaid, write or stamp here, "To be Prepaid."

Check

Column

apply in prepayment of the charges on the

†This is to certify that the above named articles are properly classified, described, packaged, marked

IL

Weight (Sub.

and labeled, and are in proper condition for transportation, according to the applicable regulations of the Department of Transportation. 'Shipper's imprint in lieu of stamp; not a part of bill of lading approved by the Department of Transportation.

(The signature here acknowledges only the emount prepaid)

Agent or Cashier

Charges Advanced

If the shipment moves between two ports by a carrier by water, the law requires that the bill of Jading shall state whether it is "carrier's or shipper's weight. NOTE.-Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding

BRANDENBURG INDUSTRIAL SERVICE CO.

ibre Boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon and all other requirements of Consolidated Freight Classification.

2625 S. Loomis Chicago, IL 60608-5414

Permanent Post Office address of Shipper.

Shipper



General Iron Industries

EXELERATE	et Number	03-574223	03/18/2	2011		139
175	BRA	NDENBURG II	NDUSTRIAL SER	VICE		
	5003	3			IL1028	3-571189
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	2	55,700	49,080		6,620	
Material	i <u> </u>	Veight				
s		6,620				

Notes		
-		
		83

Time In: 03/18/2011 02:01:10 PM Time Out: 03/18/2011 02:14:40 PM

Valid Through: 09/16/2011



WEIGHED ON A FAIRBANKS SCALE

TICKET NUMBER 9017

CUSTOMER'S NAMEBRANDENBURG IND. SERVICE
ADDRESS
COMMODITY MISC-SCrap
OOMMODITI TO THE TENTE OF THE T
CARRIER GENERAL WON
INBOUND 49140 16
TRUCK ID 50038
INBOUND DATE 3-18-11 TIME 11:43AM
OUTBOUND DATE 3-18-11 TIME 12:03PH
00100010 011 3-10-11 11MZ 12:03:8
55740 1b GROSS
49140 1b TARE
GEOO IP WET
DRIVER ON OFF
TRUCK ID 50038
at the state of th
*
SHIPPER
WEIGHER